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J·F·NOLL & Co., Inc

Alexander Forbes, Pres.

115 Mulberry St.

Newark, N.J.

1916

SEEDS
PLANTS
BULBS
FERTILIZERS
POULTRY
SUPPLIES

CAMPANULA
See Page 56

1916

To Our Customers



GAIN we desire to thank our customers for the generous response accorded us during the past and previous seasons, and in presenting our Seed Catalogue for this year we beg to assure you that our efforts in securing the best quality of seeds have not been relaxed. The kind recommendations to your friends are appreciated, and we trust that we will have your increased confidence during this year.

Seed Crops in many lines proved disastrous last year. Beans were again almost a total failure and some of the most popular sorts of Peas scarcely yielded any returns. Onions, also, fell very far short of even a normal crop. The same may be said of Cucumbers and Spinach.

The unhappy war conditions prevailing in Europe during the past eighteen months rendered sowing and harvesting most difficult. With the seed growing areas restricted, and some devastated already, the task has been most trying. In nearly all foreign grown seeds, the yields were most disappointing. Nevertheless, while these conditions exist, making importations more costly and more difficult than ever, we have secured sufficient of the best for our customers' requirements and have made our prices as low as possible, while furnishing the highest grade of seeds.

Your early orders will be esteemed.

Yours faithfully,

J. F. NOLL & CO., INC.,
ALEX. FORBES, President

Our Business Methods

OUR TERMS ARE ALWAYS CASH WITH ORDER OR SATISFACTORY NEW YORK OR PHILADELPHIA REFERENCES

How to Remit. You can send your remittance at our risk by Post Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

Be sure to sign your name and give your full address on every order you send us. We frequently receive orders without name or address. If you do not hear from your order in a reasonable time write us fully, giving date of mailing, how you remitted and copy of order sent. We will try to trace it.

We deliver free, at our option, to any post office or express office in the United States, all packets, ounces and $\frac{1}{4}$ pounds of Vegetable or Flower Seeds (also Lawn Grass) at prices quoted in this catalogue. Prices quoted on Bulbs, Roots, Potatoes, Plants, Farm Seeds, Grass Seeds (except Lawn Grass Mixtures), Implements, Fertilizers and the like, are Net, F. O. B. Newark, N. J., unless quoted otherwise.

We supply half pounds at pound rates, half pecks at peck rates and half bushels at bushel rates. Bags charged for at cost, namely, 1 peck 10c., $\frac{1}{2}$ bushel 12c., 1 bushel 15c. and 2 bushels 25c.

Give full directions on all orders to be shipped by freight or express. Give your post office, also your freight or express office, county and State and advise us whether you wish goods shipped by freight or express.

Please order as early as you conveniently can. We aim to fill all orders promptly. Should there be any cause for delay we will write you stating when we expect to forward.

Guarantee. We give no warranty, express or implied, as to description, purity or productiveness or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms they are to be returned at once. There are many reasons why seeds do not always turn out as desired, such as sowing too deep or too shallow, in too wet weather, cold weather or too dry soil, or too wet soil. Insects do not only destroy the seeds but often the young plants about the time they appear at the surface of the ground. For these reasons we cannot guarantee seeds or the crop.

January, 1916

J. F. NOLL & CO., INC., Newark, N. J.

Gardeners and Florists' Annual for 1916

(Ready in January.) This annual, which was issued last year for the first time, has already become indispensable as a handy reference work and guide to the activities, events and interesting features, discussions and developments of the year. Its Business Section, its Cultural Calendar for the florist and the nurseryman, its Rules and Recipes and its section of helpful, suggestive, timely and valuable special articles, combine to make this easily the most distinctive publication issued on behalf of gardeners generally and the trade in all its branches. Additionally, it covers the work of the national societies, describes seed and plant novelties that are of merit; records the year's law cases of interest to the trade and furnishes short biographical notices of leading men of the year and of those who have died. **Postpaid, 50 cents.**

For Parcel Post rates, see page 1.

Order for Seeds

FROM

J. F. NOLL & CO., Inc.

(ALEX. FORBES, President)
NEWARK, N. J.

Messrs. J. F. Noll & Co., Inc., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

BE SURE TO FILL IN THESE BLANKS

AMOUNT ENCLOSED

Name _____

Postal Money Order, \$ _____

Street, P. O. Box or R. F. D. Number _____

Express Money Order, _____

Post Office _____

Draft, _____

County _____ State _____

Currency, _____

Express or Freight Office }
If different from P. O. }

Postage Stamps, _____

For Parcel Post Rates
See Page One

Ship order by _____

Date _____ 19 _____

QUANTITY

ARTICLES WANTED

PRICE

Amount Carried Forward

QUANTITY

ARTICLES WANTED

PRICE

Amount Brought Forward

SPECIAL NOTICE : We shall esteem it a great favor if you will give us in the spaces below the NAMES AND ADDRESSES of any of your friends who buy Seeds, Bulbs or Plants. We wish to send them our SEED ANNUAL.

NAMES

POST OFFICE

STATE

IF GOODS ARE WANTED BY PARCEL POST, POSTAGE MUST BE ADDED AS PER TABLE BELOW, EXCEPT FOR THOSE WE OFFER TO DELIVER FREE AS ON OPPOSITE PAGE

REGARDING DOMESTIC PARCEL POST within the United States and Possessions—which now includes Seeds, Plants, Bulbs and Roots.

For all merchandise mailable by Parcel Post offered in this catalogue—Tools, and Accessories, Odorless Fertilizers, Insecticides and Fungicides (Fluids and Poisons excluded)—we have given the packed weight so that extra for postage may be remitted according to Zone distances as below:

Weight Limit—The weight limit within the 1st and 2d Zones is now fifty (50) pounds, within the other Zones the weight limit is twenty (20) pounds and the size limit eighty-four (84) inches for combined length and largest girth. **In most instances the charge by Express and Freight will be found more economical than Parcel Post on packages weighing ten pounds and over.**

Peas, Beans and Corn weigh 1 lb. per pt.

IMPORTANT—In remitting postage always *add it to the foot of the order as a separate item*—this will help to avoid mistakes.

The local postmaster will inform you what Zone you are in from Newark, N. J., if you are in doubt, and you can add for postage accordingly.

DOMESTIC PARCEL POST RATES Within the U. S. and Possessions.				First Pound (over 8 oz. rates 1 lb.)	Each Additional Pound or fraction
First Zone within	50	miles of Newark, N. J.		5c.	1c.
Second “	50 to 150	“ “	“	5c.	1c.
Third “	150 “ 300	“ “	“	6c.	2c.
Fourth “	300 “ 600	“ “	“	7c.	4c.
Fifth “	600 “ 1000	“ “	“	8c.	6c.
Sixth “	1000 “ 1400	“ “	“	9c.	8c.
Seventh “	1400 “ 1800	“ “	“	11c.	10c.
Eighth “	all over 1800	“ “	“	12c.	12c.

SELECT VEGETABLE SEEDS

ARTICHOKE

Large Green Globe. Produces heads like flowers, which are cooked like Asparagus. Highly esteemed. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00. Full cultural directions on each packet.

ASPARAGUS

Culture.—To grow roots from seed, soak seed in warm water and plant in April or May in drills 2 feet apart and about 1 inch deep. One-year-old roots can be transplanted in beds where they can remain for many years. One ounce of seed will sow 50 feet of drill. Full cultural directions on each packet.

Early French Giant. One of the finest varieties to grow. Large, succulent and tender. Pkt. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.25. Two-year-old roots: Per 100 \$1.75, by mail postpaid; by express, not prepaid, per 100 \$1.25, per 1000 \$8.00

Barr's Philadelphia Mammoth. A good market sort. Large and tender.

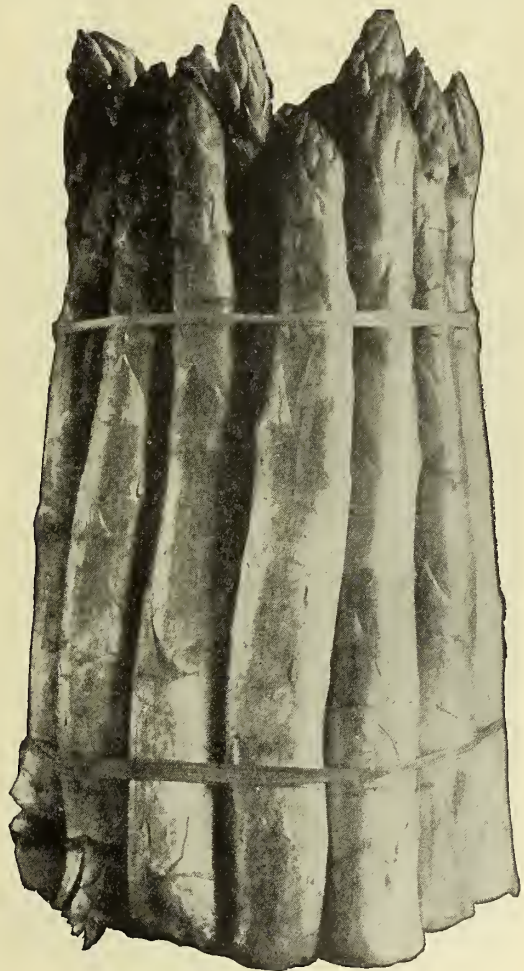
Palmetto. One of the most popular sorts grown. Very desirable.

Conover's Colossal. An old but standard sort.

Columbian Mammoth White. The best of the white sorts.

Price of any of the above 4 varieties: Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c. Two-year-old roots of any of the above 4 varieties: \$1.50 per 100, by mail postpaid; by express, not prepaid, \$1.00 per 100, \$6.00 per 1000.

Asparagus Roots. Best results are obtained by planting two-year-old roots. Set them out in April or May, (we do not recommend Fall planting in the North,) or in the South in the Fall, about October, in soil well drained and very rich. Dig trenches about 15 inches wide and about 18 inches deep, set the roots from 18 to 24 inches apart and keep the rows 4 to 5 feet apart. Be careful to spread the roots carefully and put about 3 or 4 inches of manure in bottom trench; cover this with 2 or 3 inches of soil, then place roots on top of this, and cover them with 2 to 3 inches of soil.



Early French Giant Asparagus

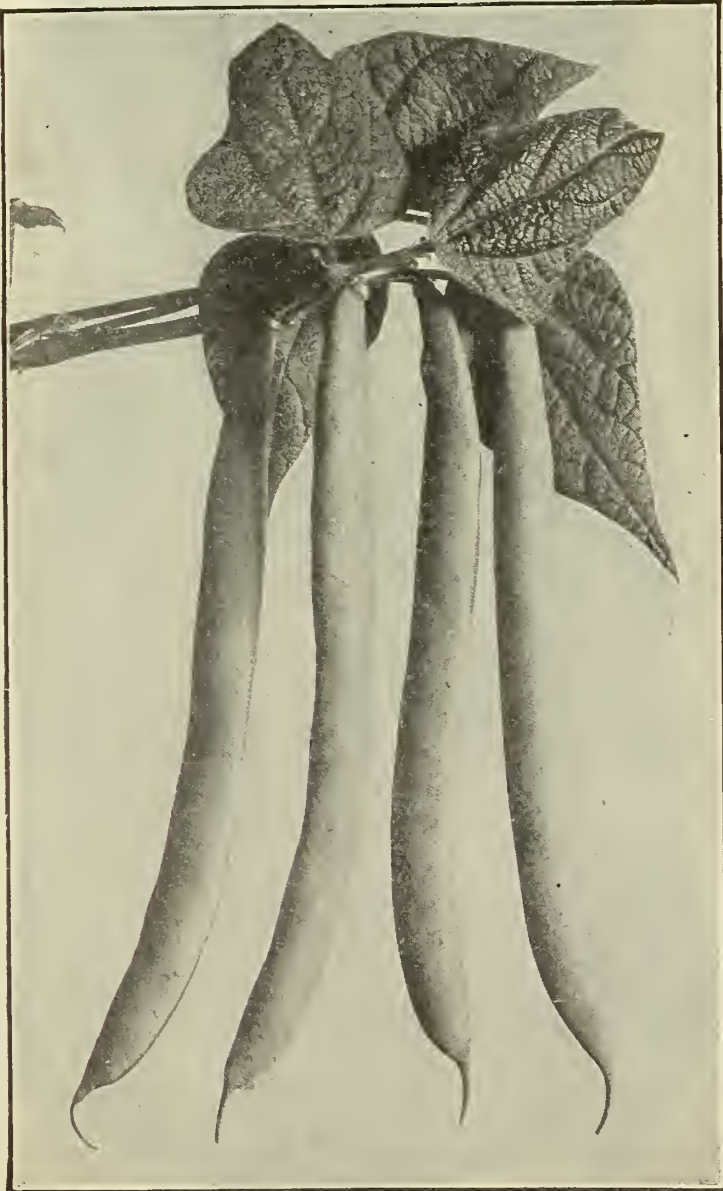
BEANS DWARF, or BUSH GREEN PODDED

Culture.—Plant early in the Spring as soon as ground is dry and warm. For succession continue planting every 10 to 14 days until 6 to 8 weeks before frost is usually expected. Beans do best in good, rich soil; ground should be in good condition. Plant in rows $1\frac{1}{2}$ to 2 feet apart, leaving plants 4 to 6 inches apart in rows. Cover beans about 2 inches deep. One quart will plant 100 feet of row; 1 bushel per acre.

King of the Earlies

This variety can be planted fully a week earlier than any other green bean, as the dry bean will stand considerable cold wet weather, while other varieties at the same time will rot in the ground. The main feature of this bean is its earliness. The pods are usually ready to pick at least 5 days ahead of Red Valentine, and are a beautiful green color, extra long, almost straight, round, thick, meaty, tender, and in flavor unsurpassed. A very valuable feature is that the first picking is a heavy one. The demand for this bean has been very much in excess of the supply, and as a money-maker we offer nothing in the seed line that has proved so advantageous to our gardeners as this particular item. Adapted for late as well as early planting, owing to the hardiness of the vine, which resists unfavorable weather and disease. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.75.

**For Parcel Post rates,
see page 1**



Bean, King of the Earlies

Longfellow, or French Lead Pencil. A round-podded green bean of great merit; is entirely stringless and of good flavor. Vines are very prolific. A good bean for early use. Showy and attractive pods, often 6 inches long. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Refugee, or 1000 to 1. The popular canning and shipping sort. This bean is one of the most prolific of all the green-podded sorts. Vines are strong and vigorous and very hardy. Pods are long, round and of fine appearance. This old standby is grown very largely for canning and for shipment. We sell large quantities of this variety in the South. A good sort for late planting. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Black Valentine. An old variety that has again sprung into popular favor on account of its earliness, prolificness and good shipping qualities; this bean is planted very largely by market gardeners and large shipper. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Boston Pea, or Navy. Grown largely in many sections as a commercial bean for Winter use. Beans are pure white, small, nearly oval in shape. Vines are very prolific, producing a large bulk of shelled beans per acre. A good sort for baked beans. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50.

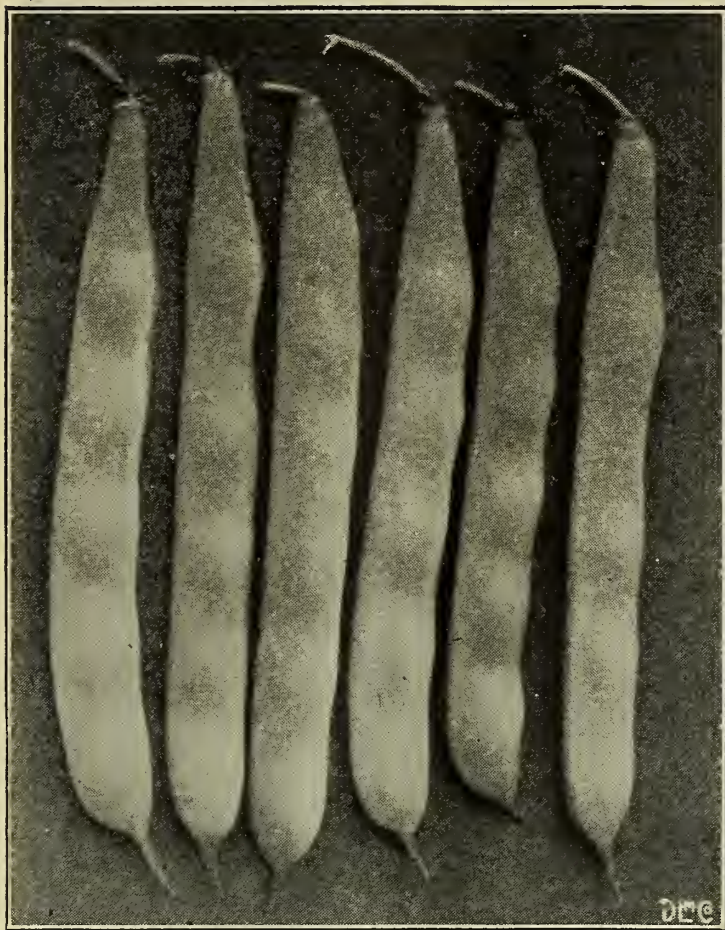
Bountiful. Very early, free from strings, flat pod; a very handsome and attractive variety. This bean is becoming more popular every year, both for home and market use. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Burpee's Stringless Green Pod. One of the most popular green-podded beans. It is an early sort of the very best quality. Is entirely stringless, as its name implies. Pods are round, $5\frac{1}{2}$ to 6 inches in length, of a light green color, very tender and vines are abundantly prolific. This bean is most desirable for either home use or the market garden. We recommend it to all our customers as one of the very best beans they can plant. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

Dwarf Horticultural. Similar to the Pole Horticultural in looks, size, etc., excepting it grows in bush form. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Extra Early Round-Pod Red Valentine. This is probably one of the oldest of all the green-podded beans and is today as largely planted as any bean on the market, on account of its most excellent eating qualities, its earliness and prolificness. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Extra Early Refugee. A very early green-podded bean of good quality. Pods are long, round and attractive. It matures from 2 to 3 weeks earlier than the late Refugee or 1000 to 1. A very desirable variety for market. We have a very choice strain of this popular bean. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.



Wardwell's Kidney-Wax Bean—See page 4

BEANS—Continued

Full Measure. A round-podded, stringless variety. Pods 5 inches long, without any neck. They are firm and tender; good shipper. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.75.

Giant Stringless Green Pod. A very prolific and handsome variety. Vines are vigorous. The pods do not mature as early as the Burpee's Stringless Green Pod, but are longer. This is a very good variety for the home garden as well as the market. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

Large White Marrow. A popular variety for Winter use as a shelled or dry bean. Seed pure white. Vines large and spreading. Very heavy yielders. Largely planted as a field bean. They cook very dry and mealy. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50.

DWARF, or BUSH WAX-PODDED

California Rust-Proof Wax Positively the earliest, hardest and most productive flat-pod Wax Bean ever offered. It can be planted fully a week ahead of any other Wax Bean, on account of its extreme hardiness, and will pick 4 to 5 days ahead of any other wax variety planted at the same time. The vines are of a vigorous growth and yield enormous quantities of large, handsome, flat pods. The seed should be planted not closer than 4 inches apart in the row. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

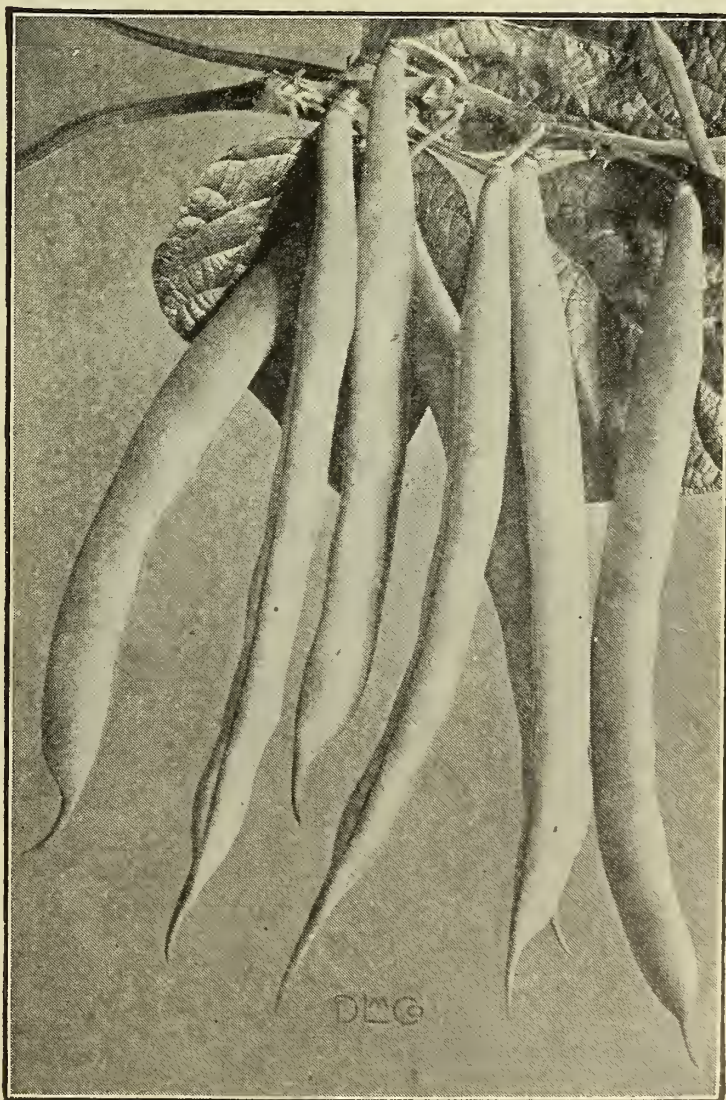
Currie's Rust-Proof Wax. This old favorite is as nearly rust-proof as any of the wax-podded sorts. Vines are very vigorous, quite prolific and extremely hardy. Pods are flat; make an elegant appearance in the basket or on the market stall. Very early. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Davis' Kidney Wax. Bears a profusion of long, straight, waxy white colored pods. It is also one of the best shippers. Dry beans are pure white. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Golden-Eyed Wax. Very early, hardy and prolific, with flat, yellow pods, free from rust. A most desirable and popular sort. Quite a favorite with market gardeners. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Improved Black Wax. Early and prolific. Pods round, full, stringless, and of fine quality. A great improvement on the old Black Wax; the vines are very prolific and the beans are of very good quality, continuing for a long time fit for use. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Pencil Pod Wax. Grows long, yellow, straight pods, nearly round and very fleshy; entirely stringless. Pods grow from 5 to 7 inches in length; plants about 15 to 18 inches high, with heavy foliage, and produce pods in great abundance. Sure to please. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Noll's California Rust-Proof Wax Bean
For Parcel Post rates, see page 1.

BEANS—Continued

Improved Golden Wax. An old standard variety, but still a great favorite; early; pods long, flat and stringless. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Round-Pod Kidney Wax. A very fine round-pod variety, entirely stringless; in habit similar to Wardwell's Wax except pods are round instead of semi-flat. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Wardwell's Kidney Wax. This is one of the very best of the old standard varieties and has been planted in all sections of the country with entire satisfaction. Yields an abundance of long, yellow, nearly straight, semi-flat pods. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Noll's Golden Queen Wax. Produces enormous pods. A variety that will be more largely planted as it becomes better known. Good flavor; very desirable for home use. One of the very best shippers; pods are tender and stringless if picked when young. A most productive and profitable variety for market gardeners. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.75.

Hodson Long-Pod Wax. This bean has sprung into popular favor on account of its enormous productiveness. An excellent shipper. Rather late in maturing, but of remarkable vigor and free from blight or other diseases. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.25.

BUSH LIMA BEANS

Culture.—Plant in drills 2 to 3 feet apart; drop the beans 3 to 4 inches apart in the rows, thin out to 10 inches, cover about 2 inches deep. They can also be planted in hills; make the hills 3 feet apart one way and 2 feet apart the other. Cultivate often.

Full cultural directions on packets.

Noll's Ideal Potato Bush Lima ^{The very} best of the Bush Limas; a money-maker for the market gardener; unequalled for home use. This



Noll's Golden Queen Wax Bean

is similar to the Potato Pole Lima, except that it is a dwarf or bush variety and requires no poles. Plants grow 12 to 18 inches in height; pods short and thick; very prolific. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00.

Burpee's Bush Lima. The largest of all the Bush Limas, as large as many of the pole varieties. Plants grow 20 to 24 inches in height and produce an enormous number of well-filled pods. The eating qualities are of the very best. The demand for this Bean is larger each year and supply is often exhausted before the season is over. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Burpee's Improved Bush Lima. Claimed to be superior to the old standard Burpee's Bush Lima. Growth more vigorous with heavier foliage; matures 16 days earlier. Beans are larger and of better quality. Earliest of the large Bush Limas. Vines are very prolific. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00.

Dreer's Bush Lima. This is the dwarf form of Dreer's, or Challenger Pole Lima; it is very similar in shape to that popular variety. Pods are thick. Beans very meaty and of fine flavor. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

Fordhook Bush Lima. A Bean of exceptional merit. This new Bean is bound to be one of the most popular of all the Bush Limas. The bushes average 25 to 30 inches in height, stand up very erect; pods are very large, averaging 4 beans each, beans thick and meaty. This is the most prolific of all the Bush Limas. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.25.

Henderson's Bush Lima. The earliest of all the Bush Limas; comes in ahead of all the Pole Limas; beans are small, but produced in great profusion. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.



Dreer's Bush Lima Bean

For Parcel Post rates, see page 1.

BEANS—Continued

LIMA BEANS, POLE

Culture—Plant in settled warm weather. Set poles 3 to 4 feet apart and plant 5 or 6 beans about 2 inches deep around each pole. One quart of Limas for 100 poles and one pint of other varieties for 100 poles; one-half bushel per acre.

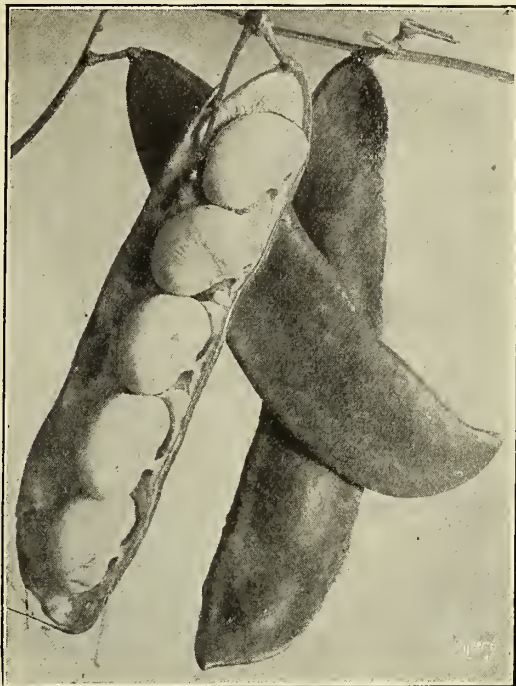
Noll's Potato Pole Lima This variety is the best for the gardener to grow; shells out more quarts of beans to the bushel of pods than any other Lima we know of. The shelled beans of this variety are thick and chunky, very meaty, of most excellent flavor. Pods average about 4 inches in length, beans are crowded in the pods, always well filled. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00.

Dreer's Improved Lima. Called Challenger and Potato Lima. A very productive variety. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50.

Early Leviathan. This variety is about one week earlier than most varieties of Pole Lima Beans. Pods are borne in clusters, with 5 to 7 beans in a pod. A very good variety for the home garden. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Extra Early Jersey Lima. The earliest Pole Lima Bean; good bearer and vigorous grower. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Ford's Mammoth Podded Lima. The largest podded of all the Limas. Very productive; an excellent sort either green or dry. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.



Noll's Potato Pole Lima Bean

King of the Garden Lima. Vigorous and productive. Produces an abundance of pods, 5 to 6 inches long, well filled with beans of very large size; quality first-class. This bean is planted by many private and market gardeners in preference to all other sorts. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Large White Lima. The old favorite; universally grown for both family and market use. The large, flat, kidney-shaped beans, shelled either green or dried, are tender and delicious when cooked. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Siebert's Early Lima. One of the earliest large seeded. Pods about 5 inches long. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

BEANS, POLE OR CLIMBING

Early Cluster Wax. The best Wax Pole Bean in cultivation. The large, flat pods are of a golden yellow and of excellent flavor. The dry seeds are thick and pure white. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

Horticultural, or Speckled Cranberry. An old popular variety, used largely in the New England States. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Kentucky Wonder, or Old Homestead. Green pod. A very productive variety; pods long, produced in clusters from top to bottom of the pole. Stringless, of very best flavor. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Lazy Wives Pole. Pods thick, very fleshy, broad and entirely stringless. A very desirable sort, either green or shelled. Dried beans are nearly round, pure white. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.50.

Scarlet Runners. Ornamental as well as edible. Grows about 10 feet high, bearing large sprays of bright scarlet pea-like flowers. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

White Dutch Case-Knife. Early, very prolific, used as a snap bean when very young, as a shelled bean when matured. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

For Parcel Post Rates, see page 1.



Pole Bean, Kentucky Wonder

BEET

Culture.—If wanted very early, sow in hotbeds and transplant: For general use plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 4 inches apart in the rows. One ounce of seed to 50 feet of drill; 6 to 8 lbs. per acre.

Crimson Globe. As its name implies, a perfect globe-shaped Beet, dark blood red color, smooth skin, sweet and tender. This is the Beet brought out recently by one of the largest seed firms in England who claims it is a perfect sort for general use. Our stock comes from the originator. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.50.

Crosby's Improved Egyptian. A selection out of the well-known Egyptian variety, and is an excellent first early sort, uniform in shape, dark red in color. The tops are small, yet large enough to bunch easily. Next to our Nutting's Early Gem, we believe this is the earliest variety and one of the most satisfactory to grow. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Detroit Dark Red A fine strain of turnip-shaped Beet. Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for either Summer or Fall use. The roots are "real blood" color, smooth and uniformly round and never get "woody." The tops are dark colored and vigorous. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Dewing's Blood Turnip. This is one of the most desirable sorts for late planting. It is a good keeper and for Winter trenching it is unsurpassed. Grows a strong top and a root very dark red in color. The quality is very fine. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Eclipse. Extremely early; highly recommended for the home garden; flesh bright red, zoned with white; shape nearly globular. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Edmand's Blood Turnip. A second-early variety of good flavor; small top, deep blood-red in color; an excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

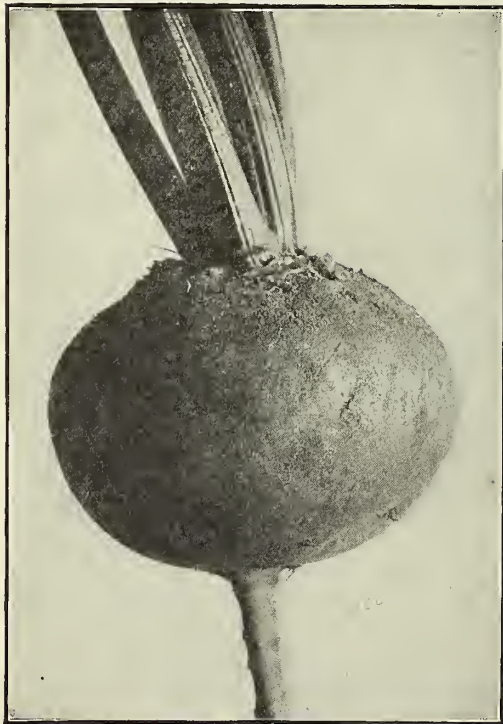
Egyptian Extra Early. An excellent forcing sort; round on top but flat on the bottom. It is considered to be the very earliest of all varieties; planted largely by market gardeners for their first Beets; can be planted close and gives good results. We offer a strain of this old and popular sort that we know will please the most critical. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Lentz Early Turnip. This is a great favorite with Philadelphia market gardeners; it is a very early variety, good shape, very smooth, of excellent flavor. Flesh alternate rings of light and dark red, but it cooks entirely red. Our stock of this variety has been grown for us by one of the largest and best market gardeners in this section. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

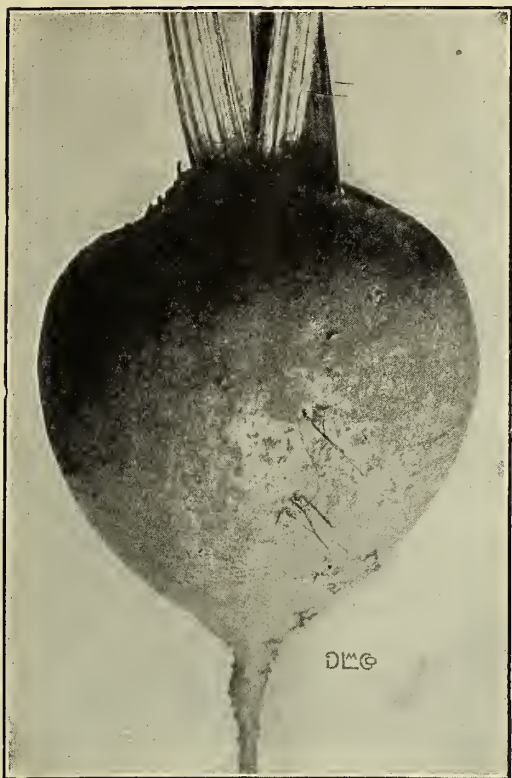
Long Smooth Blood-Red. This is the popular late sort. A most excellent keeper, grows to good size, half out of ground, almost free from side roots, very dark color, sweet and tender. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Noll's Superb Has taken the lead among early turnip-shaped Beets entirely by superior merit of everything pertaining to a Beet to make it a recognized leader. It is very early, indeed; it is 8 to 10 days ahead of any other early sort now offered. The shape is uniformly perfect, being entirely free from fibrous side roots, which are so objectionable; in fact, it is the smoothest Beet within our knowledge. The flesh is a rich, dark blood-red, tender, crisp, and deliciously sweet, besides having a very small top; is an ideal variety for bunching. We offered this Beet for the first time in 1910, and we were delighted by the favorable reports received, although we knew everyone would be delighted with its superiority. Will produce a good crop inside of 7 weeks from sowing. Is excellent as a forcing sort or as a main crop. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Nutting's Early Gem Without a peer as to shape, size, color and quality. Has satisfied the most critical and experienced gardeners who have pronounced it the "King of Beets" and we believe that the merits of this variety as a money-maker are unequalled. Its valuable features consist in its being very early, perfectly smooth, tender and sweet, dark in color, and does not crack as the old Egyptian and other early varieties. It produces roots of marketable size in shorter time than any other sort, which places it at the head of the list for growing in greenhouses, and if sown in July for a late crop will be ready for market quicker than any other sort. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Noll's Superb Beet



Detroit Dark Red Beet—See page 6

The seeds, plants, etc., which I have been purchasing from you during the last few months, and which you have shipped to Port Jervis, New York, have been very satisfactory and I wish to thank you for the prompt and careful attention you have given all orders.

A. M. WOODRUFF, Newark, N. J.

SWISS CHARD

Is becoming more popular every year in this country and should be given a place in every garden. Grown for the leaves only and cooked like Spinach—by many it is considered superior. The mid-rib is often prepared the same as Asparagus. This delightful vegetable can be sown at different seasons, so that you can always have greens for boiling. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

MANGELS AND SUGAR BEET

Culture.—Sow in May or June in rows 24 inches apart and thin to 8 inches in the row. Cover seed about 1 inch and press soil firmly over it. Cultivate frequently so as to keep soil loose. One ounce of seed to 50 feet of drill, 6 to 8 pounds per acre.

Golden Tankard Mangel. Grows small top; flesh bright yellow, zoned with white; highly thought of among dairymen. It is medium early and a good cropper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

Mammoth Long Red Mangel This is the largest of all the Mangels; grows to an enormous size and will yield more tons per acre than any other variety. This Mangel is planted more largely than any other. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.



Brussels Sprouts

Giant Half Sugar Rose. White with a rosy top. Flesh is pure white, yields enormously; grows half out of ground and is easily harvested. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Vilmorin's Improved Sugar. One of the best sugar sorts introduced. Very rich in sugar. Will do better on new lands than any other sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

BRUSSELS SPROUTS

Culture.—Practically the same as for Cabbage. For Fall use sow in early Spring, and in June for late crop. Set the plants in rows about $2\frac{1}{2}$ feet apart, and from 15 to 21 inches apart in the rows.

Half Dwarf Improved. The best variety for the market gardener to grow. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Mammoth Long Red Mangel

CABBAGE

Culture.—Cabbage thrives best in a rich soil which is well drained. For early varieties plant seed in hotbeds in January or February. Transplant as early as ground is in good condition; set plants in rows 2 feet apart, 18 inches between plants. For late crop sow in May or early June, in open ground in a cool, moist place and transplant when 4 to 6 inches high in rows 3 feet apart and 2 to 2½ feet between plants. One ounce of seed for 1200 to 1500 plants.

All-Head Early. A large, flat-headed early variety; comes in earlier than Early Summer, and is considerably larger. Heads are of good shape, uniform in size, very hard and heavy. We believe that, after our Market Gardeners' Cabbage, this is the very best of the early sorts. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

All Seasons. As its name implies, is good for Spring, Summer or Fall planting; gives universal satisfaction; a dependable Cabbage under all conditions. We are confident it will please our customers who want a good second early, round-headed sort. Stands heat and drought remarkably well. Pkt. 5c., oz. 35c., ¼ lb. 85c., lb. \$3.00.

Autumn King, or World Beater. A good variety for late planting; it grows a very large, solid head; leaves very close; head flattened, and of very good quality. Matures about same time as Late FlatDutch. A very good variety for storing for Winter use. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Charleston Wakefield. This is larger but later than Jersey Wakefield. It is, however, an early Cabbage; heads are less pointed but solid. A very desirable variety to follow the extra early sorts. It is a good keeper, of excellent quality; a first-class shipper, and very popular in all sections where Cabbage is grown for market purposes. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.00.

Copenhagen Market This is without doubt the finest early round head Cabbage yet introduced. It is as early as the Large Wakefield and will produce more per acre. Grows on a short stem with very compact heads, having very few outer leaves. Customers who give this variety a trial will be delighted with this Cabbage. Pkt. 10c., oz. 60c., ¼ lb. \$1.75.

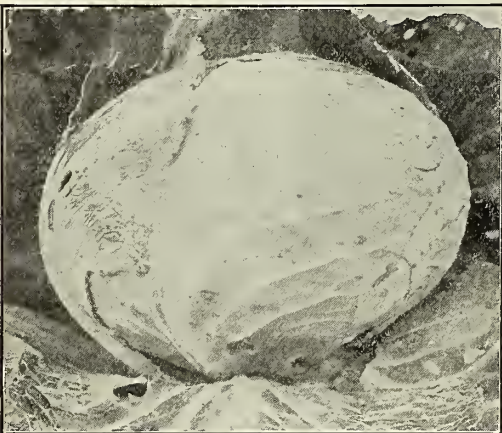


All-Head Early Cabbage

Danish Ball Head (Tall-stemmed). The great Winter keeper. In a great many Cabbage sections, particularly New York and Michigan, this is the only Cabbage planted for a Fall or Winter variety. Its keeping qualities cannot be surpassed. Plant very vigorous, compact, extremely hardy; heads very heavy, globe-shaped and, when stored for Winter or early use, keep perfectly. We offer a very choice strain of this most popular sort. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Danish Delicatesse A distinct variety of red Cabbage recently introduced and which we offered last year (1912) for the first time. We did not anticipate this new addition would create such entire satisfaction the first year, but, according to reports from customers, generally, who tried it last season, it has done splendidly and is sure to take a place ahead of the old types of red sorts. It is quite a distinct sort, producing a head somewhat pointed and grows very hard and firm. It is not subject to splitting like most sorts of red Cabbage. Color is very dark and it makes a good variety for the garden as well as for market. We anticipate a great many orders for this new variety the coming season due to the satisfaction it has given. Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.

Danish Round Head (Short-stemmed). This variety is similar to the Danish Ball Head, but grows more compact and on a shorter stem. The heads are somewhat larger and are extremely hard and solid. Is one of the best keeping varieties originated and we can safely recommend it to our customers. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.



Danish Round Head Cabbage



Early Jersey Wakefield Cabbage

CABBAGE—Continued

Danish Stonehead. This is another new introduction along the lines of the older types of Red Cabbage. Its points of merit are hard heading ability and dark color. The heads are very large and are of a very dark red color. The quality is exceedingly fine and we believe it will please the most critical. Pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Early Jersey Wakefield This is conceded to be the earliest and hardest heading of the conical or pointed headed sorts in cultivation. This variety for an early Cabbage is probably more largely planted than any other, both for home and market use. It grows a good-sized head, has few outer leaves and matures a crop in from 90 to 100 days. Quality is excellent. Our stock is grown on Long Island and cannot be surpassed in quality. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Early Spring. A good early flat-headed variety; it grows few outer leaves, so can be planted very close, thus producing large crops per acre. The heads are as large as many of the late varieties; they are very solid and compact and of the very best quality. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Early Summer. A popular variety in many sections; the heads are round and flattened, very solid and of very fine quality. It is a sure heading sort and can be planted for either private or market garden purposes to very good advantage. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Early Winnigstadt. An old and popular variety, on account of its remarkable keeping qualities. It seems to stand drought and is affected less with insects and disease than many others. It has a conical head of good size and quality. It is an extra early variety of great merit. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Fottler's Brunswick. A very low-growing, flat-headed variety; the heads are large and solid and have few outer leaves; it is a desirable intermediate or late sort. This is an old but still very popular variety. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Glory of Enkhuizen. A fine, early globe-shaped Cabbage. Produces solid heads with few outer leaves, permitting of close planting. The color is a handsome dark green and it is a very good variety for the market gardener to grow as well as for the home garden. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Large Late Drumhead. A very popular late variety of the Flat Dutch type; of excellent quality; heads grow very large, are always solid and heavy; it grows a short stem. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Mammoth Red Rock. By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, and of deep red color inside as well as outside. We have a selected stock of this very popular and profitable red sort. This is much larger than Red Dutch and Red Polish. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



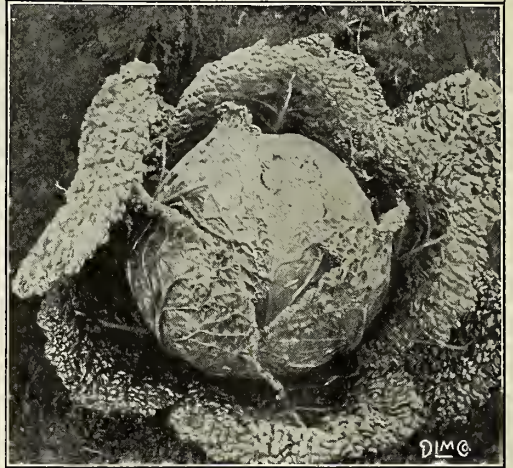
Market Gardeners' Cabbage

CABBAGE—Continued

Market Gardeners' The best early flat-head Cabbage in existence. Quick growing, perfect type and a sure header. We particularly recommended this variety for the market gardener, trucker or private use. It is as perfect a Cabbage as can be obtained; handsome in color, fine in quality. Heads average 8 to 12 lbs. each. One of our Southern customers, who has grown Cabbage for over 30

years, writes us he has tried all varieties, and Market Gardeners' obtained from us is the best he has ever used. Our sales are increasing every year on this variety. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Noll's Perfection Savoy The best hard-heading variety. Market gardeners' private stock. This variety, the result of many years' careful selection, is certainly the perfection in the Savoys. It is unquestionably the best and most profitable strain to grow, being far superior to the ordinary imported Drumhead Savoy, as generally sold, the seed of which can be supplied at less than half the price. The heads are large, very uniform, solid and hard, of a deep green color. It is very curly and sure to head, keeps well and retains its color. It is the best selling market variety of all the Savoys. The eating qualities of Savoy Cabbage are of the best. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



Noll's Perfection Savoy Cabbage

Succession. A very popular Midsummer or second early variety of unquestionable merit; it matures after Early Summer, is larger and more solid. It stands heat and drought very well and never fails to mature a crop. One of the very best Cabbages for Summer use. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Superb Late Flat Dutch. The very best of the late varieties. Grows a very large, flat head of superior quality, of a bluish-green color, with few outer leaves, on a short stem. There are many strains of Late Flat Dutch Cabbage but we are very confident none will be found superior to our selected Long Island grown strain of this most excellent sort. No mistake can be made in planting this variety for late or Winter Cabbage. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Surehead. It gives the greatest satisfaction to private gardeners and truckers for a large, late, flat-headed sort of the general type of Large Late Flat Dutch. We have the genuine Long Island grown strain of this very popular sort. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



Superb Late Flat Dutch Cabbage

CARROT

Culture.—Carrots give satisfactory results sown in any good garden soil if thoroughly and deeply worked; a sandy loam, well manured, is very desirable. For an early crop sow as early as the ground can be worked. For garden culture sow in rows 12 to 14 inches apart; for field culture 22 to 24 inches apart. Thin out to 3 to 5 inches apart in rows. Plant seed $\frac{1}{2}$ to 1 inch deep, care being taken to press the soil firmly over the seed. One ounce of seed to 100 feet of drill; 3 to 4 pounds per acre.

Chantenay Half-Long. One of the handsomest of all the Carrots, smooth, and of a rich orange color. A very desirable variety for the home garden. We have sold this variety for many years to the entire satisfaction of all who have planted it. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Danvers Half-Long. This is one of the greatest yielders of the Carrots; planted by many both for table use and stock feeding. It seems to do well in all sections and under all conditions. It is half-long in shape, perfectly smooth, with a stump root. Color dark orange; flesh sweet and tender. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Half-Long Luc. A new sort very popular in France. A half-long stump-rooted sort; very heavy cropper; free from core; flesh tender, sweet and delicious; desirable either for market or home use. It is an enormous yielder and we can highly recommend it to any of our customers. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Long Orange. We have a very carefully selected strain of this variety, which is the best of all the long sorts. This Carrot is more largely planted than any other of the long varieties. It is very true as to shape and color; a good yielder; flesh deep orange color. A popular sort for the farm. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

New York Market. This is one of the handsomest Carrots ever produced. Type is half-long, stump-rooted, similar to the Danvers. It is a very heavy yielder. Roots are smooth, straight and free from roughness. Tops are small considering the size of roots. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Noll's Early Short-Top Forcing. (Half-long.) This is the best frame Carrot ever offered, and is also an excellent outdoor sort. It has a short top, is perfectly smooth and has a rich orange color. One important feature about this Carrot is that it has the color desired when it is quite small and does not crack open. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



New York Market Carrot

Full cultural directions on each packet.



Rubicon Carrot

Oxheart, or Guerande. This Carrot runs 3 to 4 inches in diameter; short and thick; a most excellent table variety. The color and quality are all that can be desired. It is a great favorite with many of the market gardeners. We recommend this variety to anyone wishing to produce a short Carrot. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Rubicon, Half-Long The finest bunch Carrot in existence today. This is an entirely new and distinct American strain, finely shaped and of beautiful deep orange color. It grows without neck, and is hollow crowned. Being earlier than the Danvers, the leaves are one-third shorter, fewer and finer than in that well-known sort. It is excellent for growing under glass or outside, at any season of the year. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

White Belgian. The popular sort for stock feeding. Grows a foot long, standing about half out of the ground. Flesh is coarse and is only desirable for stock feeding. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 85c.

CAULIFLOWER

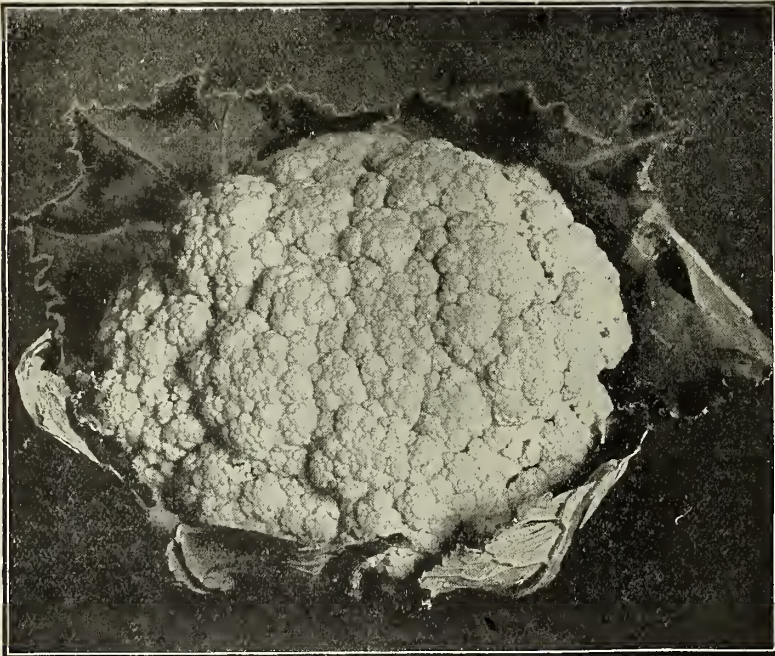
Culture.—Plant seed in hot beds in March or early in April and transplant to coldframes as soon as large enough to handle. Plant in the open ground as soon as danger of hard frost is past. Cauliflower delights in a very rich soil, and must be thoroughly cultivated. One ounce of seed will produce 1000 to 1200 plants. Full cultural directions on every packet.

Dry Weather. A drought-resisting variety. A success where many others fail. This we have found to give the utmost satisfaction to growers who are situated in a particularly dry location, where it is at its best. It will not do well when neglected or on poor soil, but given good cultivation will produce pure white, solid heads that are as large as our Superior Extra Early, but matures somewhat later. Will do with less water than any other known variety and will do equally as well if it has an abundance. This variety of Cauliflower is a treasure to those who before have not been able to cultivate this fine, delicious vegetable. Pkt 15c., $\frac{1}{4}$ oz. \$1.00, oz. \$3.00, $\frac{1}{4}$ lb \$11.00.

Early Snowball. Originally recommended and used as an early variety, but it has largely driven out the large late sorts for Fall use, being much finer in quality, and certain to head when conditions are ordinarily favorable, forming a perfect snow-white head, averaging not less than 8 inches and often attaining a size of 10 to 12 inches in diameter. It is one of the earliest of Cauliflowers. Its close-growing, compact habit enables one-third more to be planted on the same space of ground than can be done with other varieties. For forcing under glass during Winter and Spring it is well adapted, from its dwarf growth and short outer leaves. Pkt. 15c., oz. \$3.25, $\frac{1}{4}$ lb. \$12.00.

Extra Early Dwarf Erfurt. Extra Early Dwarf Erfurt is one of the very best varieties for field cultivation for either early or late, heading with great certainty under conditions at all congenial, producing extra large, deep, solid white "flowers." The plant is of large, sturdy, robust growth, having a strong frame with short, broad leaves which furnish ample protection to the "flower." This Cauliflower is of the finest quality. The heads are always clear, with even surface and without any leaf growing between. It is unsurpassed in appearance. For years we have held the bulk of the trade in sections where large fields of Cauliflower are grown for Eastern markets and almost entirely with this sort. Pkt. 15c., oz. \$3.00, $\frac{1}{4}$ lb. \$11.00.

Noll's Superior Extra Early The earliest and surtest header of them all. In this strain of Cauliflower we feel we are offering our customers one that cannot be surpassed. It is extremely early and valuable for forcing under glass or for outdoor planting. It is very desirable not only on account of its extreme earliness and certainty to produce fine heads, but also for its beautiful color, being pure white, very heavy and of extra fine quality. It is a dwarf and compact sort, having short leaves and can be planted closer than most other varieties. Pkt. 20c., $\frac{1}{4}$ oz. \$1.50, oz. \$5.00.



Noll's Superior Extra Early Cauliflower

CORN SALAD

Culture.—Plant during August or September in shallow drills about 1 foot apart; press ground firmly to insure good germination.

Broad-leaved (Large-seeded). Used during the Winter and Spring months as a substitute for Lettuce; can also be cooked like Spinach. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c.

CRESS

Culture.—Sow in drills about 12 to 16 inches apart, in rich ground; cultivate thoroughly. Plant early in Spring and repeat every week or 10 days for a succession. One ounce to 100 feet of drill.

Extra Curled, or Pepper Grass. Fine for salads; also used for garnishing. It has a very agreeable flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

CELERY

Culture.—Seed of Celery is frequently slow to germinate. Sow seed early in the Spring on soil that has been finely pulverized and just barely cover it. Keep it moist by frequent watering. When plants are 3 to 4 inches high, by clipping the tops you will make the plants much more stocky. Transplant in rows in shallow trenches in well manured land until ready to set out in the garden or truck patch, then plant in rows 3 to 4 feet apart, about 6 inches apart in the rows. Usually about middle of June to first of July is the best time to set out Celery plants. When nearly full grown start to bank up, by gathering the leaves together and drawing the soil around the plants about one-third up, and repeat in a few days until only the tops of the plants are to be seen. This is done for bleaching purposes. One ounce of seed for 3000 plants. Full cultural directions on every packet.

Golden Dwarf. An old standard variety, of good quality. Produces large, full stalks; blanches a good color; keeps well. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

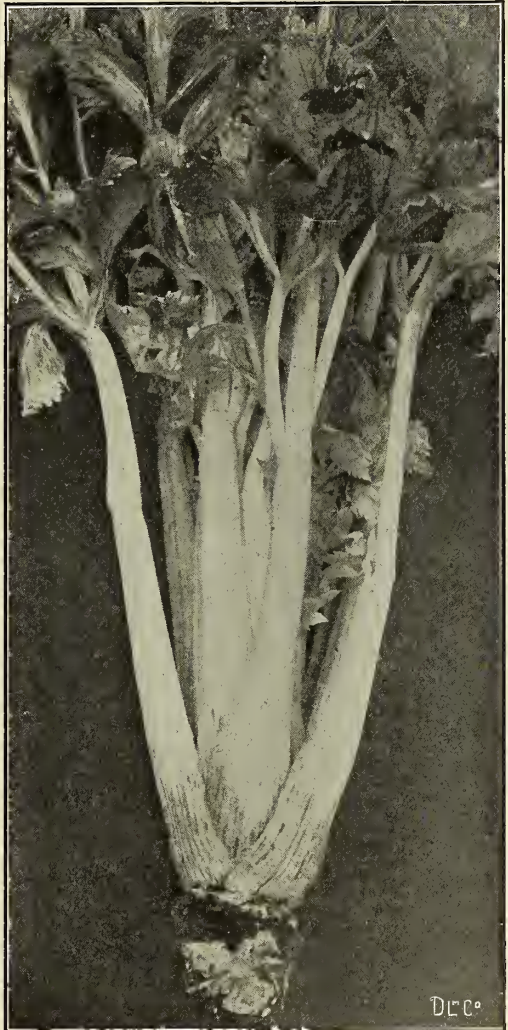
Golden Self-Blanching French grown, unsurpassed. We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender, flavor is delicious, has large heart, grows medium height, and is without doubt the best early Celery on the market. The demand for our strain of this variety is increasing every year and we advise our customers to order early, as supply is limited on account of short crop. We are confident you cannot obtain anywhere a strain of Golden Self-Blanching Celery superior to our own particular selected French-grown seed. Pkt. 15c., oz. \$1.75, $\frac{1}{4}$ lb. \$6.00.

Giant Pascal. A desirable late Fall or Winter variety, large stalk, of good nutty flavor. Blanches a good whitish color; is an excellent keeper; very popular in the South. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Noll's Magnificent The best type of long-keeping Celery. Grows very large hearts of a fine golden color when blanched. We claim this is one of the best late Celeries today. Pkt. 10c., oz. 65c., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

Newark Market This variety originated in the vicinity of Newark, N. J., by a market gardener who removed to Florida, where he grew it on a large scale. It is called by some the "Sanford" Celery and by others "Easy Blanching." It blanches very quickly when boarded up, is stocky in growth, medium in height and very brittle. It is more vigorous than the Golden Self-Blanching and its keeping qualities, flavor and quality are unsurpassed by any Celery, and this is saying a good deal. There is no other green variety that blanches so quickly or so thoroughly and that wastes so little in trimming. It will be ready for use about the time the Golden Self-Blanching has been marketed—and before the other green varieties are fit to market—thus filling a long-felt want. (Supply limited.) Pkt. 10c., oz. \$1.75, $\frac{1}{4}$ lb. \$6.50.

Perfected White Plume A very popular early sort in many sections. It is of fine appearance, of good flavor and, for early use, a very desirable variety. As it fully matures the leaves turn white, requiring very little banking or earthing up to fit it for use. We have a very select strain of this variety, pronounced as nearly perfect as any on the market. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00



Golden Self-Blanching Celery

"I grew some of your Golden Self-Blanching Celery Seed. It proved very satisfactory. Kindly let me know if I can get the same strain of seed direct from you the coming season."

H. C. MCGINNIS. Troutdale, Oregon

CELERY—Continued

Winter King. A very popular Winter Celery. It is one of the very best keepers; has been taken out in good condition as late as April or May. It is very heavy, large hearted, of a sweet, nutty flavor, so desirable in Celery. It makes a very attractive bunch and is a ready seller. For a late keeping variety, after Noll's Magnificent we think this is the best. Pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

CELERIAC, OR TURNIP-ROOTED CELERY

Large Smooth Dwarf Moonarchie

This strain is superior in many respects to the older varieties, as it is fine-grained, free from the side roots which are usually found on most varieties, has a short top and produces a large bulb or knob. It is of a fine quality and good keeper. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Large Smooth Prague. One of the largest smooth skin varieties grown, exceptionally free from side roots. A very desirable sort for main crop; roots are almost globe shaped; flavor is of the best. We consider it one of the best of the Turnip-rooted Celeries. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

See full cultural directions on packets.



Perfect White Plume Celery

CHERVIL

Curled. A very beautiful hardy annual, used for flavoring and garnishing; sown in Spring, ready for use in 6 or 8 weeks. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

CHICORY

Large Rooted, or Coffee. The roots when dried are used as a substitute or adulterant for coffee. Sow early in Spring, in drills and thin to 6 inches in the rows. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

COLLARDS

True Georgia. Used as greens and for stock feeding. Sow in drills and thin out to 2 or 3 feet apart in the row. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

FREE DELIVERY

We deliver free by mail or express, our option, all Vegetable or Flower Seeds by the packet, ounce, quarter-pound unless otherwise quoted. For Parcel Post rates, see page 1.



Large Smooth Dwarf Moonarchie Celeriac

SWEET CORN

Culture.—Thrives best on a rich, warm soil, sod land, or where Clover has been turned under. Plant after danger from frost is passed, in hills 3 x 3 feet apart, or for larger varieties 3 x 4 feet apart; drop 6 to 8 grains per hill and thin out to not over 3 stalks to the hill. Keep ground well cultivated. Plant at the rate of 1 quart for 200 hills, 6 to 8 quarts per acre.

EARLY VARIETIES

Black Mexican. The grain when dry is black. In an edible state is white and is without question the sweetest of all the early varieties. We consider it one of the best for family use. Grows a good fodder and a large ear. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

Early Champion. A fine second or medium-early. Produces large and attractive ears, sweet, white and tender. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

Early Mammoth. A very large-eared variety for an early Corn; quality good. Very popular with market gardeners. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Early Minnesota. An old standby, considered by many the best of the extra earlies. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

Early Premo. Claimed by the originator to be the earliest of all. It is no doubt a most desirable sort among the first-early sorts. Large-sized ear of good quality. Pkt. 10c., pt. 20c., qt. 35c., pk. \$1.50, bus. \$5.00.

Early Red Cob Cory. One of the favorite extra-early sorts. Very dwarf, often two ears to the stalk. Matures in 65 to 70 days from planting. Quality good for such an early variety. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.00.

Early White Cob Cory. Very similar to the Red Cob Cory, excepting it has a white cob and white kernels. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

Kendall's Early Giant. Ears large, having 10 to 12 rows, pure white, sweet, tender, and very prolific; matures as early if not earlier than any of the second-earlies. A very popular variety. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.50.

Metropolitan. A few days later than the Cory, ears larger and of better quality. One of the best extra-early sorts. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$5.00.

Daybreak. Four days earlier than White Cory. Four feet high. Ears as large as White Cory; eight-rowed. Two ears to a stalk. Cobs white. This is the best early Corn in existence. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.50.

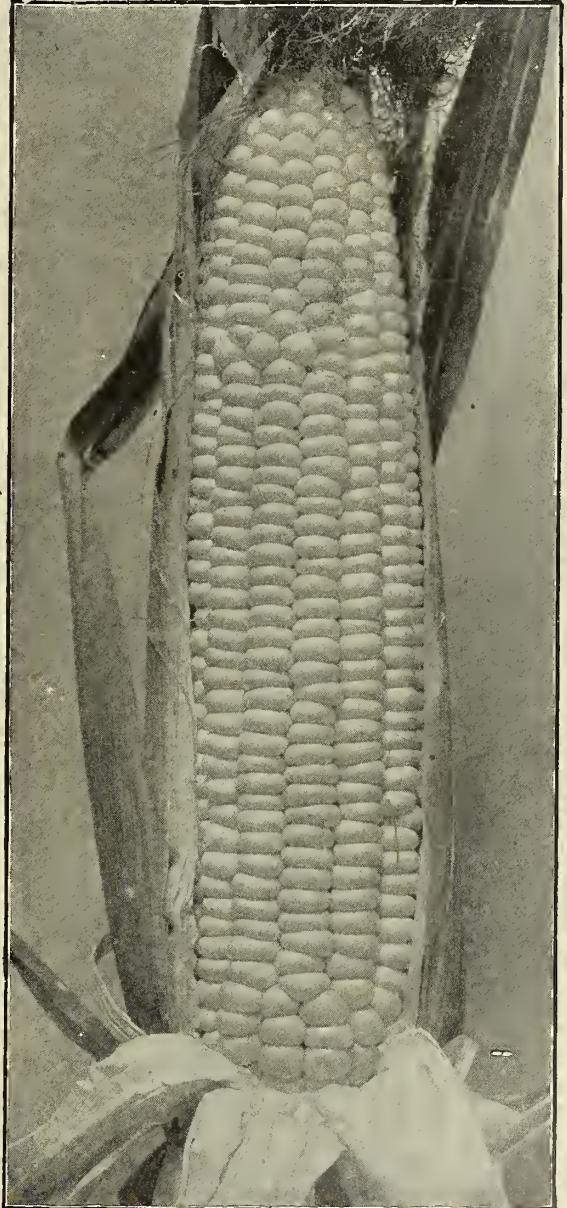
My Daybreak Corn crop, 1 acre planted between Strawberries, two stalks in a hill, yielded nearly 11,000 ears, and the first sold for \$2.50 per hundred ears.

G. W. GARLICK, E. Longmeadow, Mass.

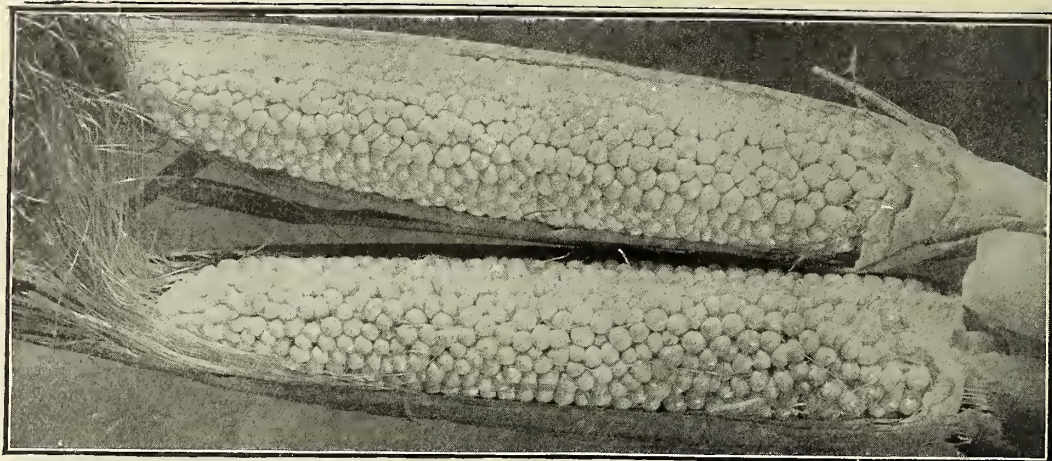
Noll's New Early Grows an ear 8 to 9 inches in length, having 2 or more ears on a stalk, which are from 5 to 6 feet tall. The ears, which are large and of the finest quality, are borne well up from the ground, and covered with a heavy husk. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00

For Parcel Post rates, see page 1.

Noll's Early Express The best extra-early Corn on the market. Good quality extra earliness and productiveness are combined in this new Corn. The earliest of all the true Sweet Corns. Good-sized ear for such an early sort; it is the first in market, therefore commands the very highest prices. Try this variety this year and surprise your neighbors. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.



Noll's New Early Corn



Country Gentleman or Shoe Peg Corn

CORN—MEDIUM AND LATE VARIETIES

Country Gentleman, or Shoe Peg. After Stowell's, this is the best of the late Corns. The ears are large and well filled with irregular grains which are very deep and of a sugary flavor. This is a very prolific variety, 2 to 3 ears frequently on one stalk.

A very popular sort for hotel trade and fancy grocers, as well as for home use. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.
Golden Bantam. A variety of great merit. It is yellow in color but very sweet, ears are small, well filled out at ends. A very valuable variety for the home garden for first crop. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

Late Mammoth. This grows, as its name implies, a mammoth ear, but of the best quality, sweet and very tender. It is planted in many sections as the best of the late sorts. We have had customers write: "The only fault with your late Mammoth Corn is, it grows ears too large." Fodder is very tall and heavy, grows frequently 8 feet high. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Long Island Beauty. A most prolific variety, quality extra good. One of the most desirable sorts for late planting. A great favorite with Long Island market growers; one of the ready sellers in the New York markets. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Moonarchie. About as late as Evergreen. Produces very large ears; very popular with our market garden trade. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Perry's Hybrid. A very popular second-early, producing good-sized, well filled ears of sweet and tender quality. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.25.

Stowell's Evergreen. We doubt if there is a seed catalogue published that does not contain this old and famous Corn. We have always taken great pride in our strain of Evergreen and feel we cannot recommend it too highly for the main crop, whether for market or home use. Ears are very large, very deep grains and remarkably sweet. It remains longer in a green state than any other. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25, bus. \$4.25.

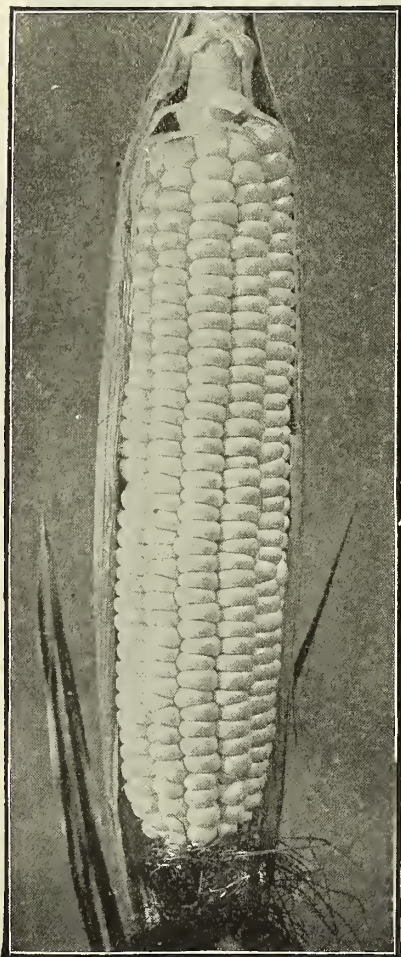
White Evergreen. Claimed by the introducer to be superior to the old and reliable Stowell's Evergreen. Grain pure white, quality excellent, ears and fodder large. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

POP CORN

Queen's Golden. A very handsome yellow sort, pops pure white. Very large and excellent quality.

White Rice. This is the old standard variety. Kernels long and pointed and cannot be surpassed for parching. We recommend this sort as the very best.

Any of the above Pop Corns: Pkt. 10c., pt. 20c., qt. 35c., postpaid. By express or freight not prepaid: Qt. 25c., pk. \$1.25, bus. \$4.00.



Stowell's Evergreen Corn

For Parcel Post rates, see page 1.



The "Forbes" Prolific White Spine Cucumber

CUCUMBERS

Culture.—Plant in well enriched soil, using an abundance of well-rotted manure. Plant about 1 inch deep, in hills 4 to 6 feet apart each way, dropping 10 to 12 seeds per hill. When well up, thin out to 3 or 4 per hill. Cucumbers are subject to insect attacks, particularly the striped beetle; they usually attack them as soon as they appear above the soil. This can be prevented by dusting them with air-slaked lime, chimney soot or wood ashes mixed with fine dirt. Use 1 ounce of seed to 50 hills, 2 to 3 pounds per acre.

The "Forbes" Prolific White Spine

(See Front Cover.) For vigor of vine, earliness of fruit, heavy cropping from the start, fine, dark green color, it has no equal. Ribs shallow, slightly veined white, just enough to give it the white spine appearance. Color is good from blossom to stem end. This has all the good qualities of the so-called "Perfect" White Spine Cucumber and none of the bad ones; no smooth black fruits and no white ones. It will stand the hot sun better, the color is very dark green, and it will yield more fruit earlier in the season than any other variety. Its uniform size, shape and dark green color are making this variety very popular as a shipping sort. In short, it is the very best type of the White Spine family and should be grown by all. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Boston Pickling. Used extensively in the Boston markets. A medium long variety, very prolific and early. A very good variety for pickling purposes. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Chicago Pickling. A very prolific pickling sort but not quite as early as the Boston Pickling. Largely used around Chicago markets, where it is in great demand. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Cool and Crisp. A very early and prolific variety. Fruit is long and good shape, dark green in color; it shows knobs bearing spines more than most varieties. It is a good home variety as well as an attractive market sort. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Davis' Perfect

This variety as it becomes better known is driving other sorts out of the market. We predict a great future for this sort. It is in color a glossy green; shape slim, symmetrical, with an average length of 10 to 12 inches. The quality is fine and of exceptionally good flavor. Another strong point of merit is its shipping qualities; it seems to hold its color and brittleness long after being cut. It is a very strong grower and is able to resist the Cucumber disease. This Cucumber can be used under glass as well as for growing out of doors. Claimed to cut from 30 to 50 per cent. more Cucumbers from the vines of this variety than any other. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



Davis' Perfect Cucumber

Full cultural directions on every packet.



Klondike Cucumber

CUCUMBERS—Continued

Early Green Cluster. Very prolific, producing the fruits in clusters near the root of the vine. Fruit short and thicker at one end. If fruits are picked frequently; the vines continue to bear for a long season. It is a good pickling variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Evergreen White Spine. This variety grows fruit 10 to 12 inches in length and of rather large diameter. It is an early and vigorous grower. More blight-proof than any of the longer sorts. Color a dark green. In shape it is straight and smooth. A very good flavor, which makes it an excellent variety for home use as well as for the market. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Improved Arlington White Spine

This is one of the most popular sorts and is grown extensively in the Southern States for Northern markets. The fruits are very crisp and tender, of good color and appearance. Very prolific. As a shipper there are few varieties that can compare with it. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Improved Long Green

Dark green fruits about twelve inches long; firm flesh. An excellent variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Japanese Climbing. Can be grown on trellis, producing fruits of dark green color and good quality. This variety is a very desirable sort for growing where the space is limited, as it does better if grown on a pole or trellis than when grown on the ground. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Extra Early Green Prolific. A very desirable pickling sort, dark green in color, handsome and attractive. It is very early, extremely prolific; one of the best for pickles, as it grows of a very uniform size and shape. It is also a very desirable variety for early market use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Klondike. This valuable, medium-early White Spine variety is one of the best for slicing. The fruits are of a rich, dark green color, grow to a uniform size, measuring about 7 to 8 inches in length and 2 inches in diameter when ready for use. A good cropper and shipper. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Fordhook Famous. An extra long Cucumber of the White Spine family; it is smooth, straight and very handsome in appearance; skin is dark; flesh is a greenish white, very firm and crisp. It is very prolific; a good keeping and excellent shipping variety. We are very sure our customers will be pleased with this variety. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Early Prolific White Spine

Its points of merit are: Earliness, productiveness and attractive appearance. It is as early as the Early White Spine, but is a great deal darker in color. It is wonderfully prolific and its attractive appearance makes it a ready seller. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

West India Gherkin. A small variety about 2 inches long, used exclusively for pickling; very productive. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Extra Early Green Prolific

DANDELION

Culture.—Sow early in the Spring in rows 18 inches apart. When plants are well started thin out to 10 inches apart. One ounce to 200 feet drill.

Common, or French. The popular sort; makes most excellent greens; very healthful. A great improvement on the wild Dandelion. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Full cultural directions on every packet.

EGG PLANT

Culture.—Seed are of slow germination, require moderate amount of heat. Should be started in hotbeds and not checked after starting to grow. When 2 or 3 inches high they should be potted in 3-inch pots and not set out in the open until nights are warm. Plant in rich soil for best results. Plant about 3 feet apart and keep well watered. One ounce of seed will produce about 1000 plants.

Black Beauty. This new variety is an excellent market sort. It is about the same size and shape as the New York Improved, except a little fuller at the top; is a few days earlier and a heavier yielder. Its color is a rich purplish black, which it retains even after becoming dead ripe. True stock. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

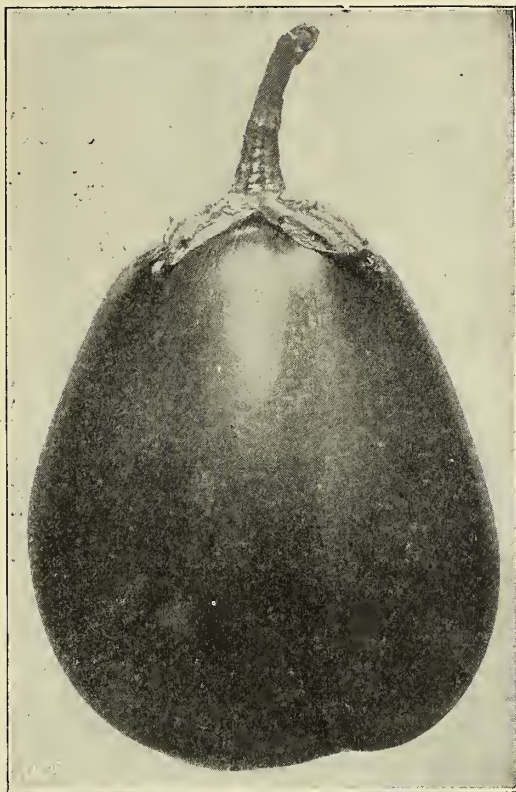
New Jersey Improved Large. Smooth stem, dark purple.

Market gardeners and shippers will find this variety the best in cultivation. The habit of the plant is low and branching, and it is quite free from spines. Leaves of a light green shade. Fruit early, very large, oval and of a fine deep purple. Flesh very white, tender and of superior quality. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

New York Improved Spineless Purple. A very popular variety in many locations. Fruit is large, entirely free from thorns or spines, of very good purple color. An old, well-tried variety and until the Black Beauty and New Jersey Improved were introduced, more largely planted than any other. We have a very choice strain of this sort. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.



Mammoth Green Bordeaux Curled Endive



New Jersey Improved Egg Plant

ENDIVE

Culture.—Sow early in April for early crop but is usually used as a late Fall crop. Sow seed in June or July in drills 15 to 20 inches apart and thin out to 1 foot apart in the drills. To blanch the heart tie outer leaves together. One ounce to 150 feet of drill.

Broad-Leaved Batavian (Escarolle). Has broad, thick, slightly wrinkled leaves, forming a large head which is preferred for stews and soups; but if the leaves are gathered and tied at the top, the whole plant will blanch nicely and make an excellent salad. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Mammoth Green Curled. Noll's selected strain. This beautiful and valuable variety is much superior to the old Green Curled and grows 15 to 20 inches in diameter. The leaves are very crisp, tufty and full in every stage of growth. The mid-rib is pure white, very heavy, thick, fleshy and tender. It is equally suitable for Spring, Summer or Autumn planting, being extremely hardy. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Mammoth Green Bordeaux Curled

Very large, valuable new sort, attaining a diameter of 22 inches. Leaves beautifully curled, tender, of an attractive green color and blanches easily. The center is very close and full. Excellent late variety. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

KALE, OR BORECOLE

Culture.—Plant in early Spring for early crop; for late crop plant in August or September, in rows 2 feet apart, and thin to 18 to 24 inches apart in rows according to variety planted. One ounce of seed to 200 feet of row. 4 pounds per acre.

Early Blue Curled, Dwarf Siberian. A beautiful curled and crimped sort, of strong, vigorous habit, perfectly hardy, dark green color, and very attractive appearance. Superior to all other sorts and will stand longer without shooting to seed than any other. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 75c.

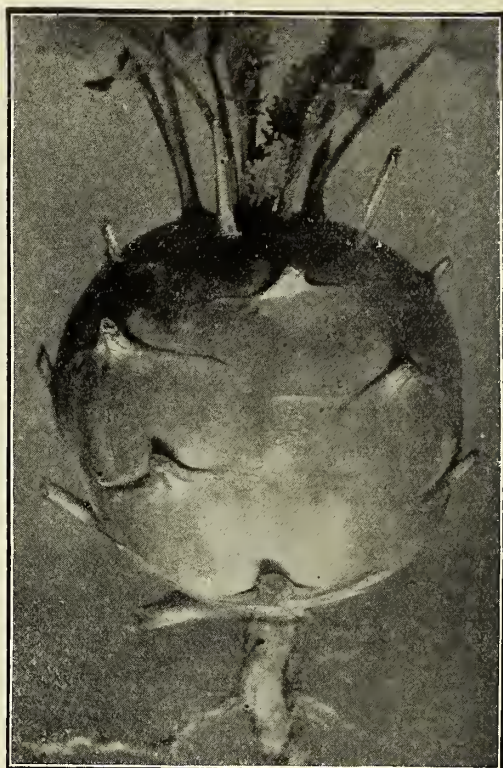
Norfolk Dwarf Green Curled Scotch

This is one of the best Kales for Spring sowing in the North, and is the principal sort grown in the South for Northern markets. It is hardy and will remain over Winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of a bright green color, beautifully curled and produced in great abundance. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

KOHL-RABI

Culture.—Sow seed in light, rich soil, early in the Spring, in drills 16 inches apart, and when well grown thin out to 8 to 10 inches apart in the rows. For Fall use plant latter part of July. One ounce of seed to 200 feet of drill.

New Smooth White Short-Leaved. Owing to the increasing demand for this popular European vegetable, many gardeners have added it to their crops. After several years' comparative tests we find this new sort decidedly the best for market and table use, being much superior to Vienna. It is very early and best for forcing,



New Smooth White Short-Leaved Kohl-Rabi

as well as for outside growth. Bulb is greenish white, good shape, smooth and of the very finest texture and quality. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Early White Vienna. Large, quick growing; greenish white skin and tender white flesh. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Early Purple Vienna. The outside color is purple; flesh white and delicate. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Full cultural directions on every packet.

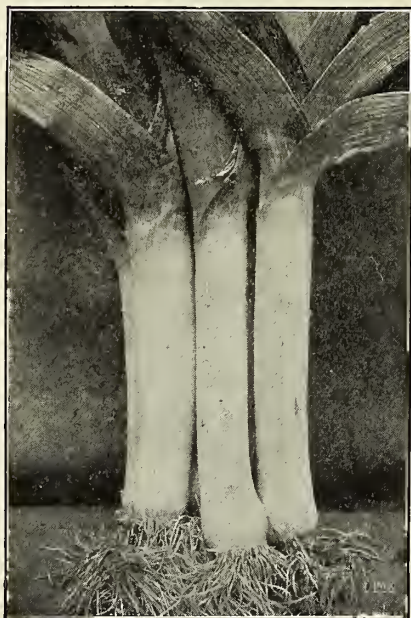
LEEK

Culture.—Sow seed about same time as Onion. When plants are 2 to 3 inches high transplant into beds in rows 2 feet apart, plants 4 to 5 inches apart. One ounce of seed to 100 feet of row, 4 pounds per acre.

New Giant Italian Winter This is by far the best variety. It grows long and thick, and is unusually fine grained, tender and hardy. The foliage is of a dark, glossy green, keeps well and will yield double the quantity per acre of any other sort. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Improved American Flag. Selected stock. A good variety with light green leaves. It is not as thick as Giant Italian, but grows taller. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Musselburgh, or Scotch Champion. A large-growing, flat-leaved variety, immense stems 6 to 8 inches long. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



New Giant Italian Leek

LETTUCE

Culture.—For general use sow in hotbeds in March. When about 3 inches high transplant into boxes to harden off, then plant in rows 12 inches apart, 6 inches to 1 foot between plants, according to variety planted. For Winter use sow under glass from October to February and thin out to allow plenty of room between plants. Keep moderately warm, give light and air. One ounce of seed will produce from 2000 to 2500 plants. Full cultural directions on every packet.

HEADING VARIETIES

Big Boston Probably better known and more largely planted than any other variety. Very solid with broad leaves; the best for outdoor or for forcing. Color light green, very attractive. We have made a specialty of this variety and have a stock of this most desirable and popular Lettuce that cannot be surpassed. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

California Cream Butter. Forms large, solid heads, leaves marked with reddish brown. The quality of this Lettuce is hard to beat. A great favorite in many sections. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

California Giant White For Spring or Fall use. Makes heads large, compact, crisp and white. Every plant heads, and the heads are uniformly shaped. They measure about 7 inches across the solid head. The leaves are slightly crumpled, of a beautiful white color. It has an attractive appearance. Unsurpassed for growing in low temperatures. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Deacon. Largely used for coldframes. Heads solid, rich and good quality; light green color. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Golden Queen. Very desirable; first early, of a pleasing, golden yellow color, and second to none for forcing. Of medium size, but forms solid heads, tender and juicy. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Hanson. Is very sweet, tender and crisp; has few outer leaves; very slow to run to seed. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Iceberg. A large, hard-heading, curled variety, always crisp and tender. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Unrivalled. A general favorite. Can be sown all through the year. Stands heat well, is crispy, tender, solid, and good shipper. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

King of the Garden

This variety is indeed worthy of its name, and it is the finest we can offer our friends for early Spring or Fall use. The leaves are smooth and of

a beautiful light green color, which makes it a ready seller. It is the largest hard-heading variety we know of and we cannot recommend it too highly. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

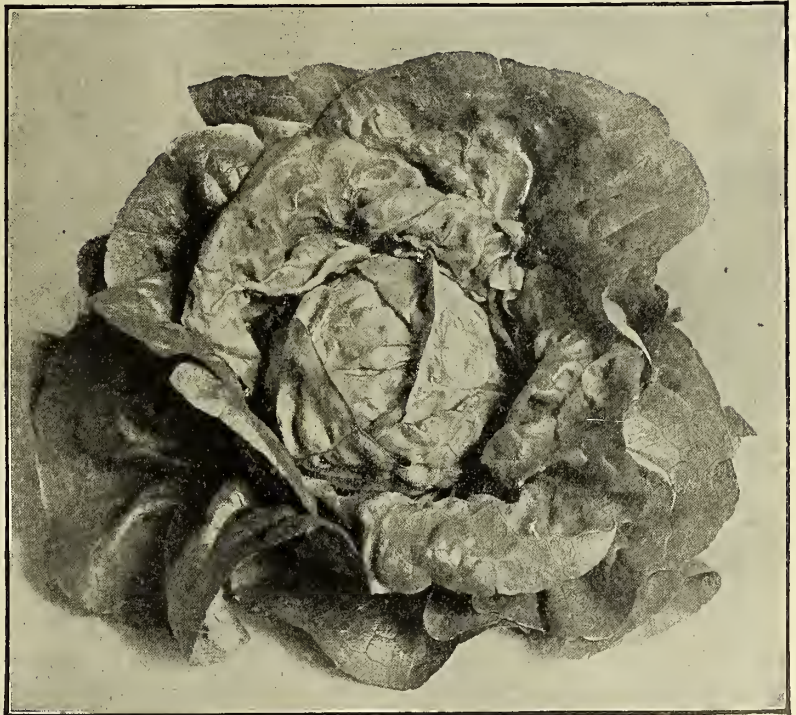
Mammoth Black-Seeded Butter. Produces enormous heads but very crisp and tender. A good sort for Spring or Fall planting. Our orders for this variety are increasing each year. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Mammoth Salamander. Very popular for Summer use. It grows a large head and is very slow to run to seed. It is very tender and crisp, very nearly white in the heart. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

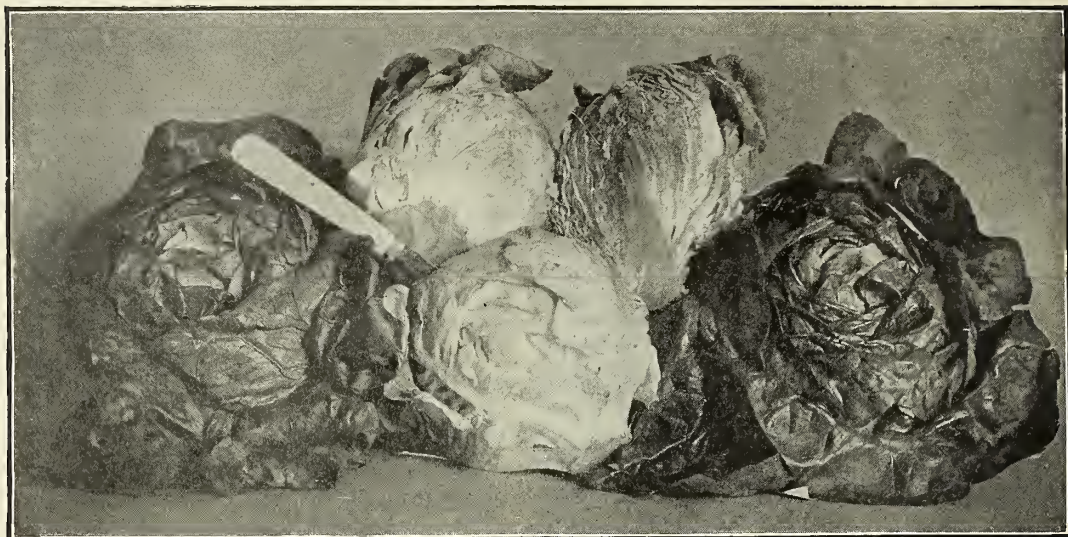
May King. This early, hard-heading sort is considered by many to be the very best of the earlies. It forms a compact head, light green in color, of superior quality. It is also recommended as a forcing variety, having proved itself adapted for indoor as well as outdoor culture. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Mignonette. A solid header, blanching white, tender, crisp and sweet. Well adapted for sowing all the season and in every locality. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Oak-leaved. A medium early variety, hardy and crisp. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



Big Boston Lettuce



Noll's Champion Of All Lettuce

LETTUCE—Continued

Noll's Champion Of All This variety is very popular today on account of its many good qualities. Admirable for Spring and Fall planting. Produces large, very solid heads, of a fine light green color. A very good shipper. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

New York. One of the finest Summer sorts, producing immense, solid heads. Vigorous grower, deep rooted, resists hot weather and is very slow to run to seed. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Philadelphia Dutch Speckled Butter. This Lettuce is largely planted in coldframes and many gardeners and truckers claim it is the best of all for this purpose. Forms large, solid heads, sweet and tender; outer leaves are dotted with brown. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

St. Louis Market. This forms a fine, large head,

crisp and tender, very slow to run to seed. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Noll's Twentieth Century This variety is one of the best sorts for Summer use, as its tendencies for resisting heat and drought make it well adapted for this purpose. It is larger than Salamander, stands more heat and is a finer color. Is sure to please every market gardener and is a fine variety for the home garden as well. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. \$2.25.

Yellow-Seeded Butter. A distinct yellow-headed sort, of good quality and fine appearance. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

LOOSE-LEAF VARIETIES

Black-Seeded Simpson. A large, loose-leaf variety; one of the oldest and best of this class. Remains a long time fit for use. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

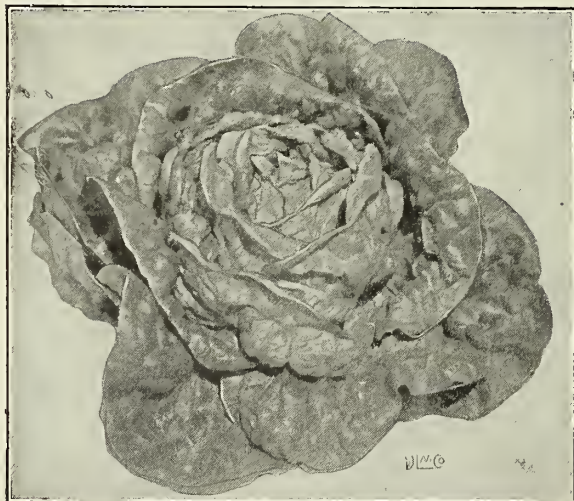
Early Curled Simpson. Very early, largely used for coldframes; does not form a solid head. Popular in the New York markets. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Grand Rapids. The popular greenhouse forcing Lettuce. This loose-leaf variety is used very extensively as a forcing sort. It stands up well, forms a large cluster of loose leaves, bright green in color, slightly crinkled. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Prizehead. A large clustering Lettuce, and most excellent for the home garden. Leaves finely curled and crumpled, bright green tinged with brownish red, very crisp, tender and sweet. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

COS, or ROMAINE

Trianon Self-Closing. Cos Lettuce is becoming more popular in this country every year. Leaves long and narrow, very crisp and tender; flavor most delicious. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Noll's Twentieth Century Lettuce

The 20th Century Lettuce did well, 500 boxes on one acre sowed between Celery. I will no doubt want as many seed for next year.
G. W. GARLICK, E. Longmeadow, Mass.

MUSKMELON, or CANTALOUPE

Culture.—Plant seed in hills 5 to 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up, thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated. The quality of Muskmelons is affected very much by weather conditions. Melon vines are subject to attack from the striped beetle; frequent dusting with air-slacked lime, wood ashes or soot, diluted with fine soil, will act as a good exterminator; be careful not to use until mixed with soil. Full cultural directions on every packet.

Baltimore, or Acme. One of the good green-fleshed sorts. Fruit is of medium size, oval, slightly pointed at stem end. It is quite early, deeply netted, a good shipper, excellent eating. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.15.

Burrell's Gem. Originated in Rocky Ford, Colorado, the home of the celebrated Rocky Ford Melons. This is very similar to Rocky Ford, excepting it has a yellow or salmon-colored flesh instead of the green flesh. It grows to a very desirable size, is closely netted, slightly ribbed, with a dark green skin. The flavor is all that can be desired; very rich, sweet and tender. This Melon is an excellent shipper and one of the best yellow-fleshed varieties. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Emerald Gem A very popular salmon or orange-fleshed Melon. A medium-sized Melon, slightly flattened at the ends, very lightly netted and ribbed. Skin a dark green; flesh salmon yellow, of very fine quality. In the South and West this is the most popular of all the salmon-fleshed sorts. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Extra Early Hackensack. A distinct improvement on the old Hackensack or Turk's Cap. It is much earlier, fruit smaller and nearly round, flesh green, sweet and juicy. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Hackensack, or Turk's Cap. A large-fruited sort, with deep ribs, green flesh; a very old but still popular sort in many Melon districts. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



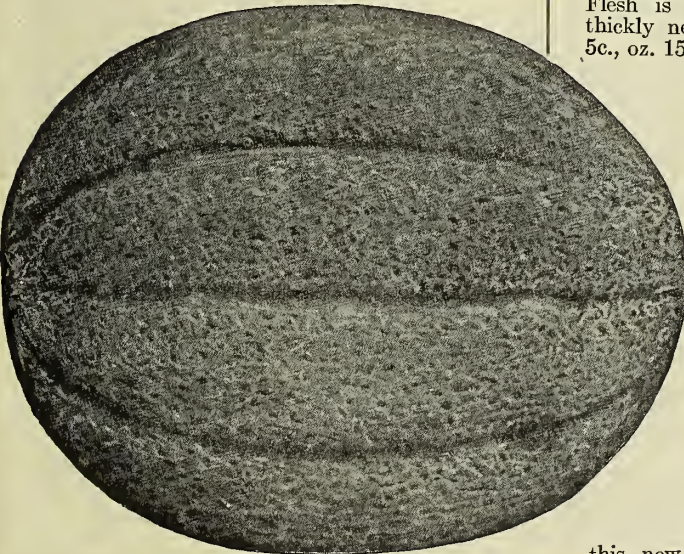
Emerald Gem Muskmelon

Jenny Lind. A small but very delicious Melon. Fruit flattened, slightly ribbed and extremely early; in fact, the earliest of all the Muskmelons. This old but still popular variety is largely planted in New Jersey for the Philadelphia and New York markets, and is always the first to be had. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.15.

Long Island Beauty. A Melon of the Hackensack type; one of the earliest of the large Melons. Flesh is green, of good quality. It is very thickly netted and a very good shipper. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Maryland Considered by our customers far superior to the very best strains of Rocky Ford. Earlier and more productive. It is 10 days earlier than the Rocky Ford, twice as productive and larger in size. The vines are of a strong, healthy growth, branch freely, setting a large number of fruits close to the hill. The Melons are fine and regular in size and form, nearly round or slightly oval, and very closely netted. The skin is of a light golden hue when fully ripened. Flesh bright green, luscious in flavor, and ripens close to the skin. Customers who are fortunate enough to get some of this seed and who have been raising Rocky Ford Melons will not grow them again after once planting

this new strain. The stock is limited. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Maryland Muskmelon

MUSKMELONS—Continued

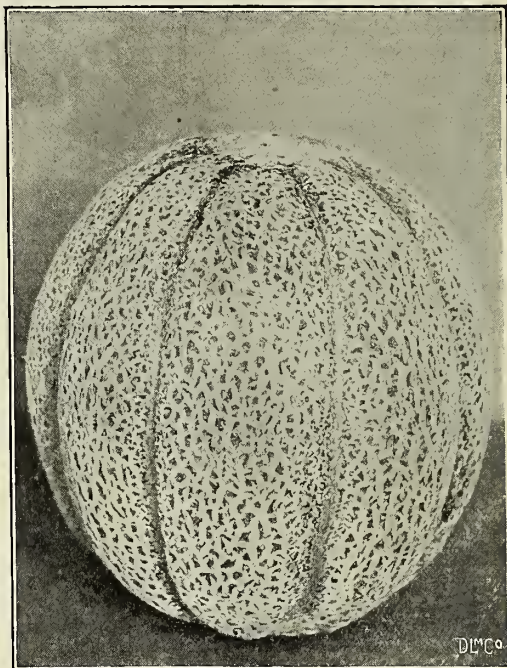
Noll's Golden Jersey The ideal orange-fleshed Rocky Ford or Netted Gem. We are confident that as soon as this Melon is better known it will take the place of all other orange-fleshed Melons, for the following reasons: Its splendid eating qualities, very thick flesh, small seed cavity, beautiful appearance in crate or basket or when on the table, and its prolificness. It is finely netted, a good shipper (can be shipped long distances, arriving in perfect condition), shaped like the Netted Gem or Rocky Ford. We recommend this variety as the best of all orange-fleshed Melons. We want all Melon growers to give this variety a trial, as we feel very sure it is the very best of all the orange-fleshed Melons on the market. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Norfolk Button. A sport from Jenny Lind. Very early, sweet and tender. It is popular on account of its superior qualities, its earliness, prolificness and good shipping properties. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Osage, or Miller's Cream. Another orange-fleshed sort, very good as a later Melon. It has a very small seed cavity, flesh is very thick and of good quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.15.

Paul Rose, or Petoskey. Salmon fleshed; a cross between Netted Gem and Osage; nearly oval in shape. A good shipper and of good quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.15.

Rocky Ford, or Netted Gem The Melon that made Rocky Ford famous. The favorite green-fleshed shipping variety. Known well and favorably wherever Melons are grown; more largely planted and shipped in larger quantities than any other sort. Oval shape, covered entirely with fine netting, slightly ribbed. Flesh green, very thick, sweet and juicy. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Noll's Golden Jersey Muskmelon

Surprise, or Tip-Top. Round shaped, flesh thick, bright salmon, well ribbed, light yellow skin. Slightly netted. Early and a good shipper; fine flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Sweet Air A new, large, green-flesh sort, very uniform in size, and has made a name for itself in several localities. It produces a fruit of superior flavor and sweetness and commands large market prices. It is oval shaped, about 6 inches across and 8 inches long. The flesh is thick, dark green, with light pink toward center. It is a rampant grower and the fruit has a tempting appearance. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Maryland Muskmelon

Do not fail to try Noll's Superb Beet, Noll's Superior Extra Early Cauliflower, Maryland Muskmelon and Noll's New Discovery Tomato.

WATERMELONS

Culture.—Plant in light, sandy soil, thoroughly enriched with well-rotted manure. Plant as soon as ground becomes thoroughly warm, in hills 8 feet apart each way, about 8 seeds per hill. When young plants attain their third or fourth leaf, thin out to 2 or 3 of the strongest in each hill. Keep well cultivated. Five ounces of seed to 100 hills, 4 pounds per acre. Full cultural directions on every packet.



Cuban Queen Watermelon

Alabama Sweet. One of the very longest Melons, popular in the South. Rind dark green, slightly striped; extensively grown for shipping to markets favoring long Melons. Flesh bright red, tender and crisp. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Black Boulder, or Black Diamond. Dark green, very tough rind; grows to large size, but is always of good eating quality; a favorite in some local markets. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Cole's Early. A medium-sized dark green early Melon; flesh bright red; very good quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Cuban Queen. This is another old standby. Grows to very large size; has mottled rind; a very fine shipper, prolific and profitable. Flesh is bright red, of luscious, sugary flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Dixie. A popular shipping Melon. Has a very tough rind, mottled light and dark green. Has for years been grown in very large quantities in the South for shipment to the Northern markets. Quality good; flesh red; very firm. An excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Duke Jones. Dark green with irregular lighter colored stripes; quite prolific, of good quality; dark red flesh. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Florida Favorite. Of large size, with mottled light and dark green rind; oblong in shape; has a thin but very firm rind; is an excellent shipper. Flesh bright red,

juicy and very tender. This Melon is very popular with many of the large Melon growers. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Georgia Rattlesnake, or Gypsy. A very old but still popular variety, on account of its sweet and very tender flesh. A favorite Southern Melon. Rind striped light and dark green. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Harris's Earliest The earliest and largest of all the early Melons.

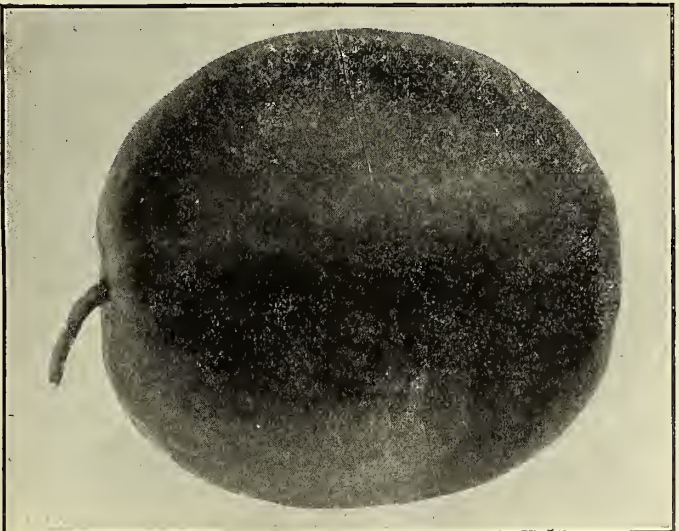
A very desirable variety for the North. We consider in this Melon we have the best of all early sorts. It is large, very sweet and tender, and one of the very best shippers we know of. Shape slightly oblong; skin is mottled green and white. We highly recommend this variety to our friends in the North, for it will ripen where other later sorts will not. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Ice Cream. Fruit long, of medium size; very light colored rind; seed white; flesh bright red; quality fine. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Kleckley Sweets, or Monte Cristo

Unequaled for the home patch or for nearby markets. Vine very productive; of the most luscious medium-sized oval Melons, with a dark green rind; flesh is bright red, sweet and tender. We do not recommend this variety for shipping as the rind is so tender it is liable to crack. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Kolb's Gem. A large-sized Melon, grown for shipping purposes very extensively. Rind is very tough; flesh red, sweet and tender, although a little coarse. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Cole's Early Watermelon

WATERMELON—Continued

Mammoth Ironclad. This very large mottled Melon is an old but still very popular sort. It has an exceedingly tough rind, and is therefore one of the very best shippers. The flesh is dark red, very firm but juicy and sweet. It is a fine keeper and Melons can be kept until late Fall in perfect condition. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

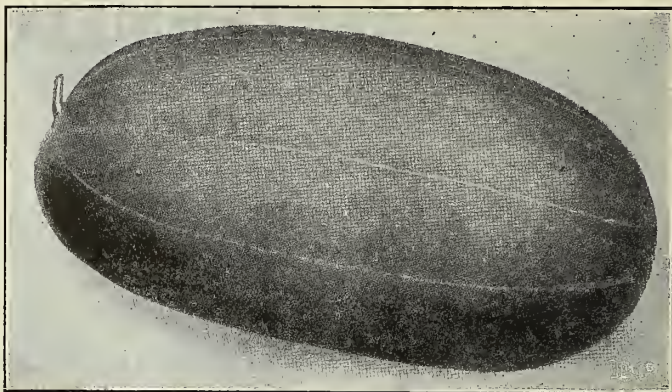
Sweetheart. A very popular shipping Melon, very productive, ripening very evenly. Fruit nearly oval in form, quite large, and very heavy. This Melon retains its good qualities longer than most others after ripening. Flesh red, firm and solid. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Tom Watson This Melon is of recent introduction and it is claimed to be one of the best for shipping purposes. The Melons attain large size, often measuring 24 inches in length and weighing 50 pounds or more. The rind is thin but tough. The flesh is a rich red and of fine quality. Color of skin, dark, mottled green. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Wonderful, or McIver Sugar. One of the very sweetest of all the Melons. Grows to a medium size, always of good shape; has mottled rind; flesh red; seeds white; is very tender fleshed. A most excellent sort for home or market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

COLORADO PRESERVING CITRON

Planted only for preserving. Round, striped fruit; flesh white and very solid; makes an excellent preserve. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.



Kleckley Sweets Watermelon

MUSTARD

Culture.—Sow very early in Spring, in drills 18 inches apart. Cover seed half inch deep. Continue sowing about every 2 or 3 weeks, until Fall. In the South Mustard is sown in the Fall and used early the following Spring for early greens.

Southern Giant Curled. A crimped or frilled variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in Fall for early Spring salad. A popular variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Fordhook Fancy. A beautiful variety, dark green in color. Foliage is very finely curled on edges. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

New Chinese. Larger than most varieties. Very tender and delicious. Plants are very vigorous; leaves are large and crimped; one of the very best for salad. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

White, or English. Large leaves, not so much crimped as other sorts; quite early. Oz. 5c., $\frac{1}{4}$ lb. 15c., lb. 40c.

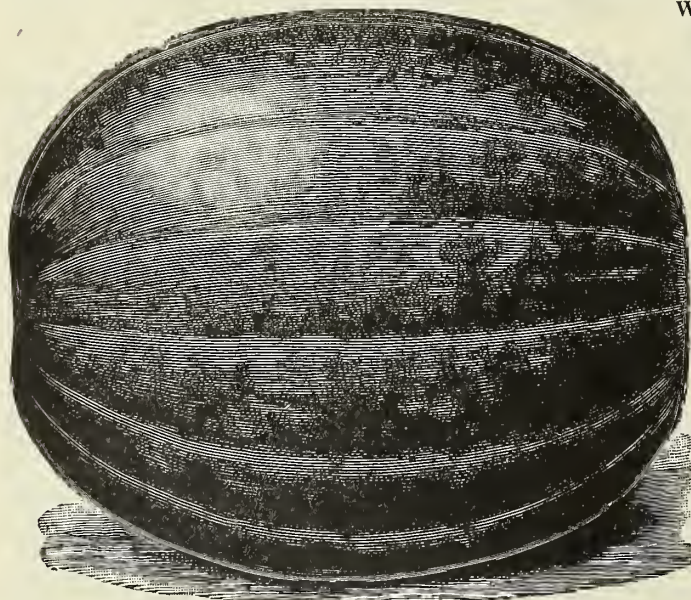
NASTURTIUM

Culture.—Sow in drills about 1 inch deep, early in Spring. One ounce of seed to 25 feet of row. Used as a flower; seed pods make a nice pickle.

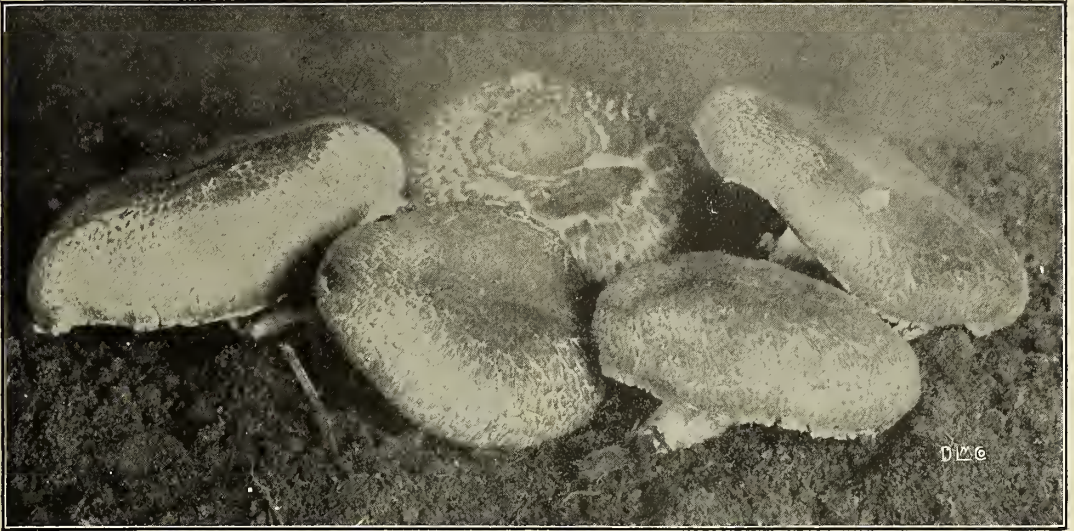
Dwarf. Needs no sticks. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Tall. Should have sticks or trellis. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Do not fail to try
Noll's Superb Beet, Noll's
Superior Extra Early Cauli-
flower, Maryland Musk-
melon and Noll's New
Discovery Tomato



Sweetheart Watermelon



Mushrooms

MUSHROOMS

Culture directions sent with the Spawn. Can be grown in the cellar, under greenhouse benches, etc. One pound will plant 8 square feet of bed.

Pure Culture Brand. Produced in America by a special process. Considered to be the very best by most of the large growers. Mushroom growing is very interesting, as well as very profitable. It can be supplied in bricks only, weighing from 1 lb. to $1\frac{1}{4}$ lbs., 25c. per brick, 5 bricks \$1.00, 10 bricks \$1.75, 100 bricks \$16.00.

OKRA, or GUMBO

Culture.—Sow about May 15th, in rows 3 feet apart, 1 inch deep; thin out to 18 inches in rows. One ounce to 100 feet of drill. Full cultural directions on every packet.

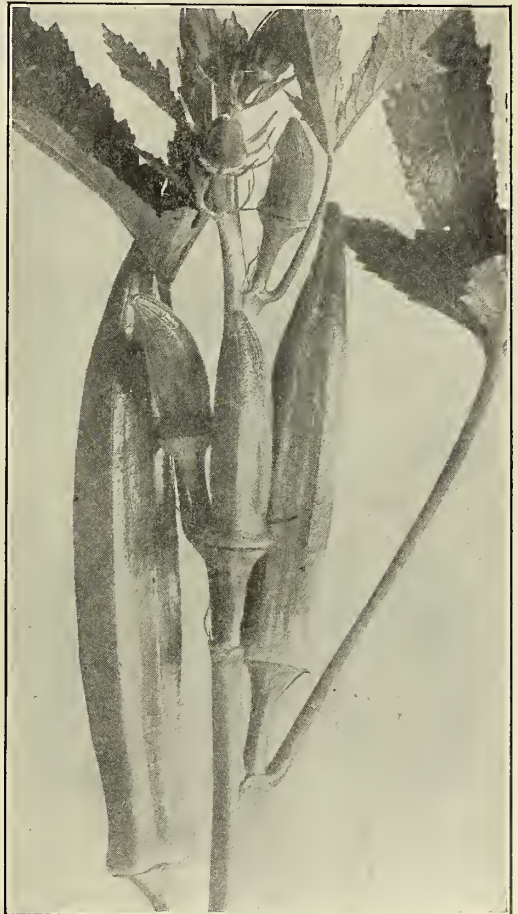
Dwarf Prolific. A dwarf but stocky type; long pods; very prolific. Pods are long, of a greenish white color; very thick and meaty. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Green. Produces long, slender, green pods; very tender. Grows taller than the Dwarf Prolific; bears in great profusion. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Perkin's Mammoth Long-Podded

A very large-podded variety, popular with canners and for home use. Quality very fine; plants extremely productive, of long, slender pods, which remain tender a long time. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

White Velvet. A medium height plant, which produces a great abundance of smooth, white pods, of very attractive appearance. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Perkin's Mammoth Long-Podded Okra

ONIONS

Culture.—Onions delight in a rich, loamy soil with a little clay, which should have been cultivated well for at least 2 years before planting the Onion. Have ground thoroughly cultivated, free from weeds and well fertilized. Plant in drills 12 inches apart early in the Spring, about $\frac{1}{2}$ inch deep, and well rolled as soon as planted. One ounce to 100 feet of drill, 5 to 6 pounds per acre for large Onions. For sets, use from 60 to 70 pounds of seed per acre.

Early White Bunch. Used largely for pulling when young, as a bunch Onion. If left to mature, grows to good size; very showy. Pearly white skin. Flesh of good quality and a good keeper. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Extra Early Red. This is the earliest of all the red Onions. Flat in shape, has very small neck, a good keeper and of excellent quality. A good variety for the early crop. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Large Red Wethersfield. A favorite red variety; produces enormous crops, and where a red Onion of a flattened shape is desired it cannot be equaled. It is a fine keeper, bulbs of good size and very attractive appearance. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

Mammoth Silver King, or Giant White Garganus

This Italian Onion is of very mild flavor; grows from 4 to 6 inches in diameter; a better keeper than most Italian sorts. Form is flattened, skin a silvery white. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Michigan, or Ohio Yellow Globe. A large yielder of nearly globe-shaped Onions. Grows to a good size; color a rich orange yellow; flesh white and crisp. A very popular variety in many sections of the country. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



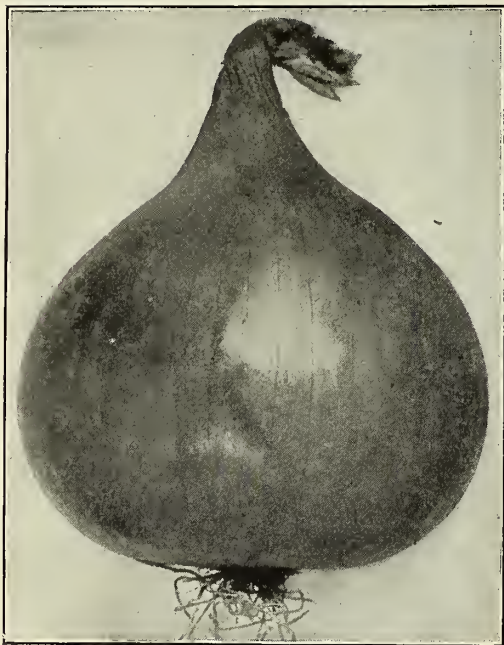
Southport Red Globe

Prizetaker The largest of all yellow Onions; resembles the large Spanish varieties; flesh sweet, tender and mild. This is, no doubt, the handsomest yellow Onion on the market. Grows to weigh 1 pound or more from the seed. Shape is nearly a globe. It is a bright straw color, has a small neck and matures early. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

Southport Red Globe All of the Southport strains of Onion are very popular on account of their perfect globe shape, uniformity, productiveness and good keeping qualities. The Red Globe is of good size, has very small neck, fine deep red color; flesh is firm, white, mild and tender. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Southport Yellow Globe Similar to the Southport Red except in color of skin, which is a rich, clear yellow. The quality is very fine and it is a very good keeper. Grows a large bulb with short neck. The flesh is white, firm and mild. This sort is grown in almost every section of the country and always gives satisfaction. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Southport White Globe This variety is the most popular grown today. Same shape as the Southport Red, or Yellow Globe. Skin a silvery white, quality of flesh unsurpassed. Heavy cropper and good keeper. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.



Prizetaker Onion

ONIONS—Continued



Southport White Globe Onion

White Barletta. A very early variety, used largely for pickling. The bulbs usually measure 1 to 1½ inches in diameter; color is a pure pearly white. Keeps well. Pkt. 10c., oz. 30c., ¼ lb. 85c., lb. \$3.00.

White Portugal, or Silver Skin. This is the popular sort for growing Onion sets and is more in demand than any other variety for this purpose. The large Onions are flattened in shape, of a waxy white color; one of the best keepers; also very desirable as an early bunch Onion. We have a very fine and selected strain of this desirable Onion. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

White Queen. Another popular pickling sort. Skin white, flavor mild, matures extra early and keeps well. Bulbs about 1 to 2 in. in diameter. Pkt. 10c., oz. 25c., ¼ lb. 80c., lb. \$2.75.

Yellow Dutch, or Strasburg. For sets, this variety cannot be surpassed. It is also popular as a market variety where a flat Onion is desired. It is a

good cropper, excellent keeper and of good quality. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Noll's Selected Yellow Globe Danvers. A decided improvement on the ordinary strains of this famous Onion. Eastern grown, from selected bulbs and is well worth the extra cost. It grows nearly globe shape, slightly flattened, has very small neck, a heavy yielder, of good keeping qualities; an Onion to be depended on in all climates. Pkt. 10c., oz. 30c., ¼ lb. 85c., lb. \$3.00.

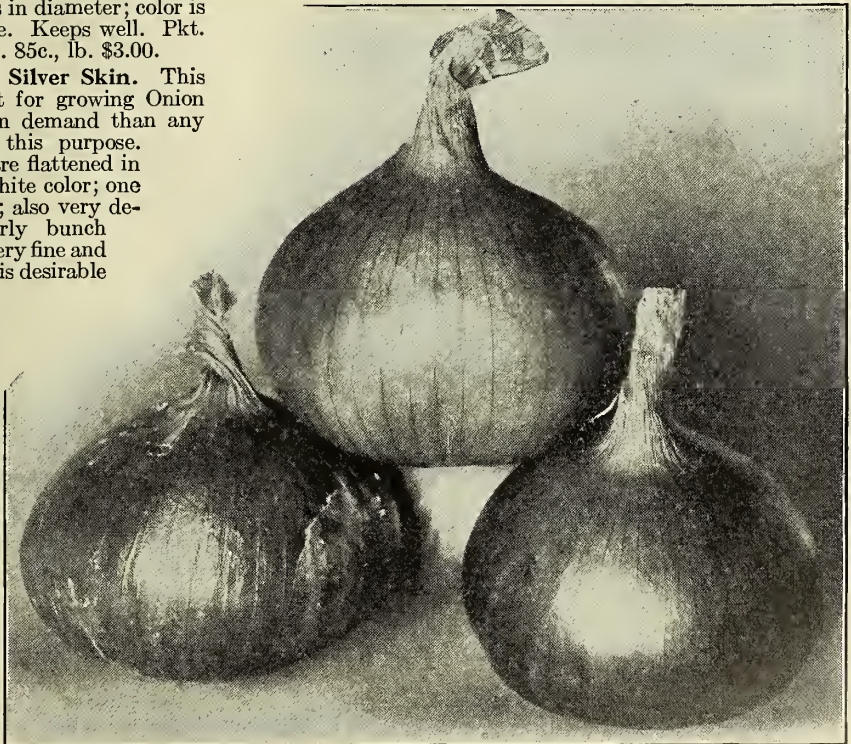
Round Yellow Danvers This variety is similar to Yellow Globe Danvers, excepting it is a little more flattened. It is a good cropper; skin a good, bright straw color. It is a favorite variety in many sections for planting for sets. Pkt. 5c., oz. 20c., ¼ lb. 70c., lb. \$2.25.

Full cultural directions on every packet.

ONION SETS

One quart to 50 feet of row, 8 to 10 bushels per acre, according to size of sets. If by mail add 10 cents per qt., 50 cents per pk.

	Quart	4 quarts	Peck
Red	\$0.25	\$0.85	\$1.50
White.....	.30	1.00	1.75
Yellow.....	.25	.85	1.50
Potato Onions.....	.25	.85	1.50
Shallots.....	.25	.85	1.50
Egyptian Onions.....	.25	.85	1.50



Noll's Selected Yellow Globe Danvers Onion

PARSLEY

Culture.—Seed of Parsley will sometimes remain in the ground 3 to 6 weeks before germinating; so should be sown very early in the Spring. Plant in rows 12 to 18 inches apart; when well up thin to 1 to 2 inches apart in the rows. Frequent cutting improves the growth and quality. One ounce to 150 feet of drill, 3 to 4 pounds per acre.

Champion Moss Curled. After our selected double curled, this is the best. Grows to good size, dark color, densely curled; a very popular variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Hamburg, or Parsnip Rooted. The roots of this variety are used largely for flavoring purposes; resemble small Parsnips. Flesh white and of fine flavor. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



Noll's Selected Extra Double Curled Parsley

Noll's Selected Extra Double Curled

A superb extra curled sort. The best for all purposes, home or market. This strain is of free growth,

beautifully curled, and is, we think, as near perfection as can be obtained. The leaves are very dark green, very large, suitable for open ground or for frame culture. Withstands heat and drought better than any other. It is enormously prolific, a sure money-maker for the market gardener. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25. Full cultural directions on every packet.

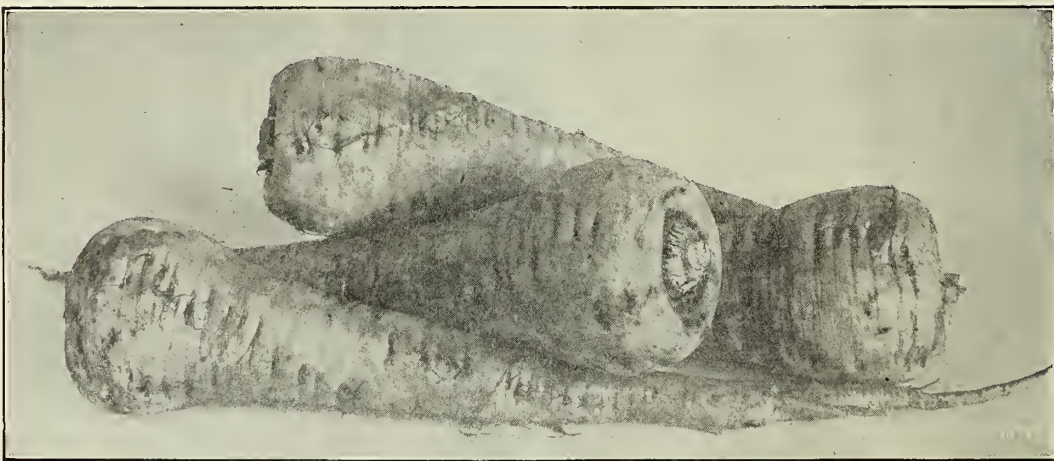
PARSNIP

Culture.—Sow seed early in Spring, in rows 1 to 1½ feet apart, in deep, rich, light soil; cover about $\frac{3}{4}$ inch deep and press soil firmly. Seed is often slow to germinate. When plants are well up, thin out 2 to 3 inches apart in the rows. One ounce of seed to 100 feet of drill; 4 to 5 pounds per acre.

Noll's Ideal Hollow Crown Parsnip

Perfect in shape and fine in quality. We offer the most perfect type of this very choice sort. Roots

grow to a good marketable size, of good diameter at top, tapering to the end. They are smooth and clean, of the very finest quality. The best for all purposes. An excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Noll's Ideal Hollow Crown Parsnip

ALWAYS SOW THE "FORBES" LAWN GRASS SEED MIXTURE

There is no better mixture prepared. Grows a very compact turf in 4 to 6 weeks from sowing.

NOLL'S SHADY PLACE MIXTURE FOR SHADY SPOTS

For Parcel Post rates, see page 1.

PEAS

Culture.—Plant early, smooth varieties as soon as frost is out of ground; follow with the early wrinkled sorts in a week or 12 days and make successive plantings every 10 days until middle of August. Plant 2 to 3 inches deep, in double rows 3 to 4 feet apart, if cultivated by hand; if by horse power rows should be 3 feet apart. Plants should be from 8 to 10 to the foot, according to the variety. Dwarf varieties require no sticks, tall varieties do better staked. Use 1 pint to 50 feet of drill, 2 to 3 bushels per acre.

Advancer. An early variety, growing about 2½ feet; pods good size, well filled; peas of very good quality. An old favorite with many gardeners. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

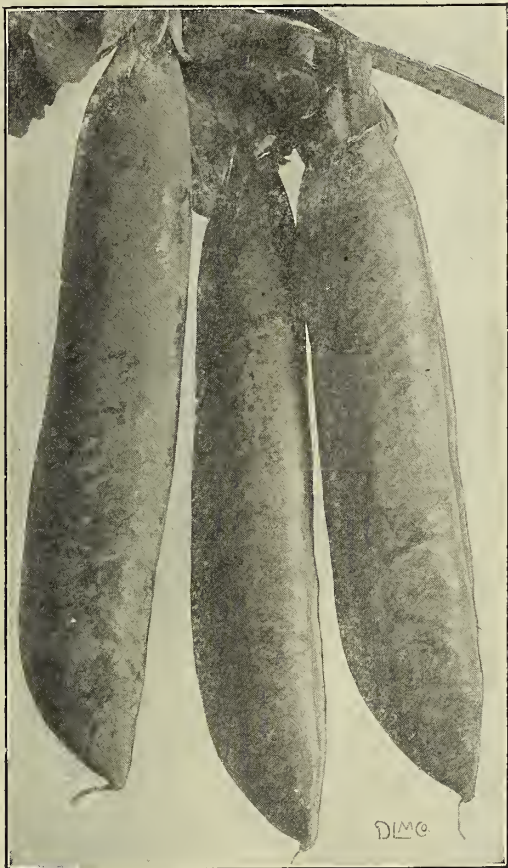
Alaska, or Earliest of All. This is probably the earliest of all Peas. Vines grow 2 to 2½ feet high, contain 6 to 7 pods well filled with medium-sized green peas, quality good. Matures very evenly. A very desirable first-in-market Pea. Also a great favorite with canners. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

Ameer, or Long Pod Alaska. A large-podded variety of the Alaska type; the seed is blue, same as Alaska; the pods are much larger, and it is only a day or two later in maturing. Vines are very prolific; pods are well filled with peas averaging almost double the size of Alaska. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25, bus. \$8.00.

Full cultural directions on each packet.



Alaska, or Earliest of All Pea



Gradus, or Prosperity Pea

American Wonder. Vines 1 foot in height; pods of good size. Quality is of the very finest.

Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Blue Bantam. Remarkably prolific. Successive sowings can be made during the entire season.

Pods as large as Gradus. Vines 15 inches high, require no support to get the best results. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00.

Gradus, or Prosperity Produces large, green pods 4 to 6 inches long.

This wrinkled Pea can be planted as soon as the extra early smooth Peas; is very hardy; grows a vine 18 to 30 inches high; requires no sticks or brush, stands up well. Produces pods 4 to 6 inches long, filled with large, sugary peas.

Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.50, bus. \$8.50.

Little Marvel. The best early dwarf, wrinkled Pea. Height 15 inches. A luxuriant bearer of dark green pods, well filled to the tips; excellent quality. Pkt. 10c., pt. 25c., qt. 45c., pk. \$2.75.

Noll's Grand Monarch An extra early Pea; produces large, well-filled pods of luscious peas.

Vines 2½ to 3 feet in height. Pods as large as the Telephone, containing 6 to 10 peas of large size. Pkt. 10c., pt. 25c., qt. 40c., pk. \$2.50, bus. \$9.00.

For Parcel Post rates, see page 1.

PEAS—Continued

Nott's Excelsior. One of the best dwarf wrinkled extra earlys. Vines grow 1 foot in height, and are filled with pods of good size, containing peas of the most luscious quality. A great favorite with market gardeners. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Prolific Early Market. An extra early smooth Pea, which for prolificness is a leader. Plants are literally loaded with good-sized, well-filled pods. A very desirable variety, for the market gardener can pick more peas per yard from this sort than any other. Extra early. About 3 to 4 days later than Selected Extra Early. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Selected Extra Early. This is a strain of extra early that we consider unequalled. It withstands greater change of weather in the early Spring than any other sort. Produces pods deep green in color, well filled with good-sized peas. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Sutton's Excelsior A Pea of recent introduction but very popular on account of its large, well-filled pods. This is a dwarf variety which comes into bearing very early. Vines grow about 14 inches high, are very prolific; pods are long, straight and of pale green color. Peas are sweet and tender. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25, bus. \$8.00.



Sutton's Excelsior Pea

Thomas Laxton. Another early wrinkled variety. Vines 3 to 3½ feet high, very hardy and extremely productive. Pods are filled to ends with peas of the most tender and sugary flavor. This variety is fast becoming a great favorite in all sections. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.50, bus. \$8.50.

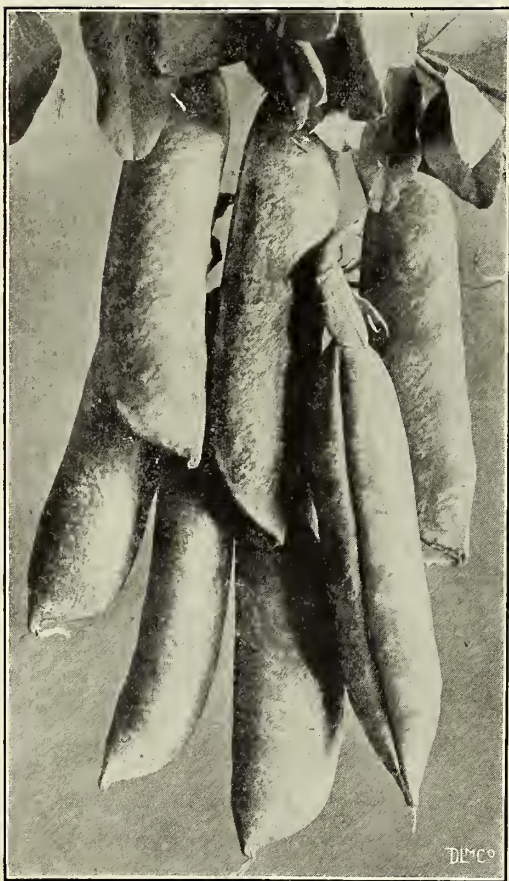
MEDIUM EARLY SORTS

Carter's Daisy, or Dwarf Telephone. A medium-early dwarf sort. Vines about 18 inches in height, very vigorous and quite prolific; pods of good size, containing 6 to 9 large peas. Very tender and sweet. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Heroine. A medium-early sort, which produces large, showy pods; an immense cropper; peas of excellent quality; a fine variety for the home garden. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.00.

Horsford's Market Garden. Height 2 feet; second early; an abundant cropper of large, luscious peas. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.00.

For Parcel Post rates, see page 1.



Thomas Laxton Pea

PEAS—Continued

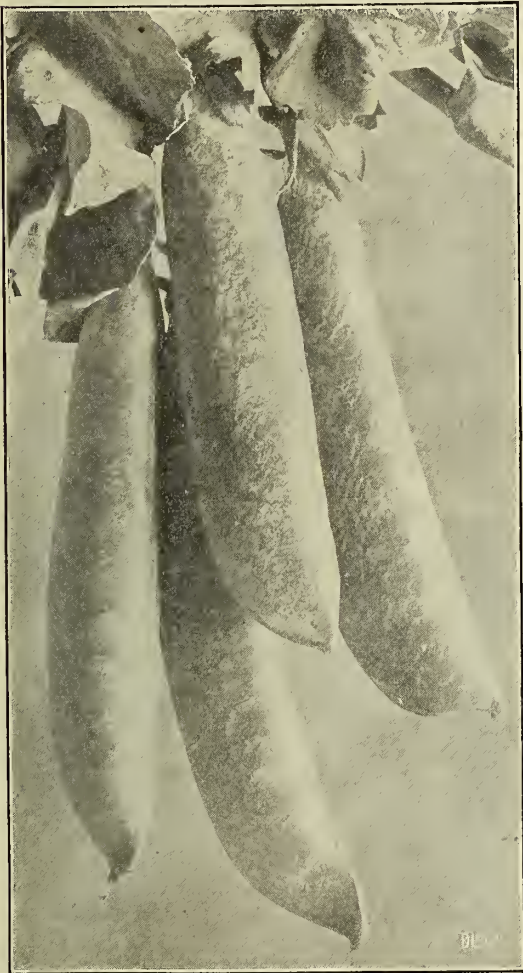
Shropshire Hero. Very prolific; pods large and well filled; height about 2½ feet. A second early of great merit. One of the old standbys with a great many growers. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.50.

LATE, or MAIN CROP SORTS

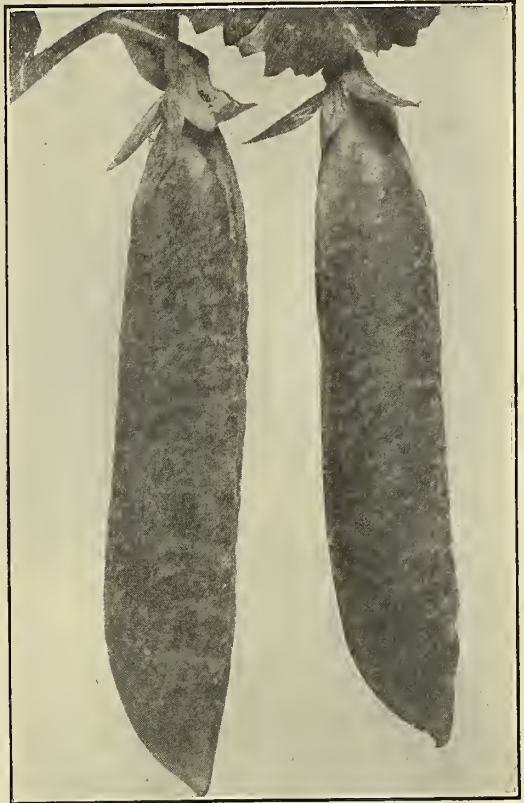
Champion of England. An old but still very popular late variety. Vines about 4 feet in height, very productive, pods large, peas very sweet and tender. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75, bus. \$6.50.

Duke of Albany Similar to Telephone, except pods are of a darker green shade. Vine about 5 feet in height; very strong grower, producing large pods in great profusion. A standard main crop Pea. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25, bus. \$8.00.

Juno. This is a very desirable sort, as the quality is extra fine. Pods are large, well filled with large peas. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.50.



Juno Peas



Telephone Peas

Large Black-Eye Marrowfat. Grows about 5 feet high, a good bearer, pods large, very hardy and productive. Large white seed with black eye. A fine late sort. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Large White Marrowfat. Same as Black-Eye, except seed is white. Pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50, bus. \$5.00.

Melting Sugar. This is an edible-podded Pea. They are used in the same manner as String Beans. Pods are very large, stringless, very sweet and tender. - Vines grow 4 to 5 feet high and are very prolific. Pkt. 10c., pt. 30c., qt. 50c., pk. \$3.00.

Telegraph, or Long Island Mammoth

A good main crop variety, producing strong growing vines with very large dark green pods. Does well under unfavorable conditions. Grows 4 to 5 feet in height. A great favorite with many market gardeners for their main or late crop. Pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00, bus. \$7.00.

Telephone One of the most popular varieties for main and late crop, on account of its many good qualities; fine appearance, large pods, and most excellent flavor; a good shipper. Vines about 4 to 5 feet, very sturdy and vigorous. This Pea is considered by many private and market gardeners to be the best of all. Pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00, bus. \$7.50.

For Parcel Post rates, see page 1.

PEPPER

Culture.—Plant about same as Egg-Plant. Set plants 1 to 1½ feet apart, in rows 2 to 2½ feet apart. They delight in a medium soil. One ounce of seed will produce 1000 to 1200 plants.

Chinese Giant The largest of all. Very mild and delicious. This is the largest of all the Peppers. Plants set 3 to 4 very large fruits quite early, and continue setting until frost. In appearance fruit is thick and chunky; flesh is very sweet and tender. If you want a large and attractive first-class Pepper this is the one to plant. Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.

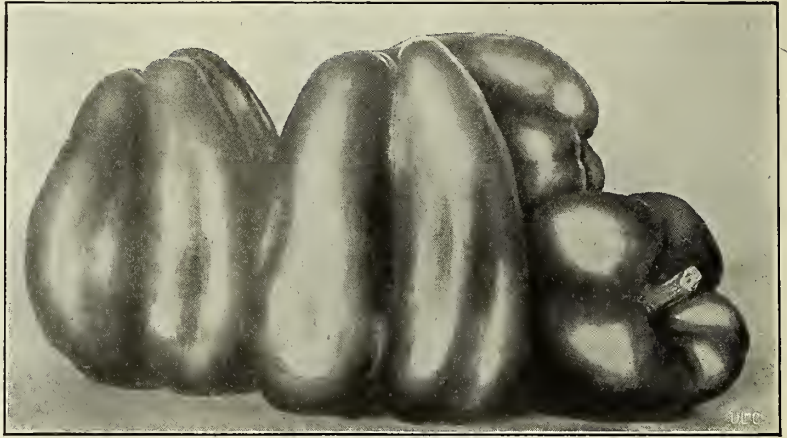
Giant Crimson The earliest of the large Peppers; of good shape and mild flavor. Another of recent introduction. Claimed by the introducer to outyield the famous Chinese Giant, which it resembles in shape; more uniform in size and fully as large. Flesh is thick and sweet. We have seed grown from the introducer's stock. Pkt. 10c., oz. 40c., ¼ lb. \$1.10, lb. \$4.00.

Golden Dawn. Plants of dwarf, compact habit; quite prolific; the best of the yellow varieties. Color a rich golden; flesh thick and mild; matures very early. Pkt. 5c., oz. 25c., ¼ lb. 80c., lb. \$2.75.

Large Bell, or Bull Nose. This is the old and well-known sort, still as popular as ever, notwithstanding the varieties of more recent introduction. Very productive, fruit of good size, fine quality and appearance. Many gardeners cannot be induced to plant any other variety. Pkt. 5c., oz. 30c., ¼ lb. 85c., lb. \$3.00.



Chinese Giant Pepper



Ruby King Pepper

Long, Red Cayenne. Long, red, slender, twisted pods, bright red in color; very fiery flavor. Used largely for bunching with pot-herbs. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.75.

Neapolitan. A money-maker on account of its earliness. The earliest of all Peppers. A great favorite with the large Pepper growers in South Jersey, who ship this sort in carloads to the New York and Philadelphia markets. It is the first in market and brings top prices. It is of good size, mild flavor; flesh thick and plants very productive. Pkt. 10c., oz. 30c., ¼ lb. 85c., lb. \$3.00.

New Upright A sweet and thick-fleshed variety of medium size. The fruits are borne upright on the plants, hence its name. Pkt. 10c., oz. 40c., ¼ lb. \$1.10, lb. \$4.00.

Red Chili. Used largely in the manufacture of pepper sauce. Pods are small, very hot. Plant very prolific. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Ruby Giant. This is a longer Pepper than the Chinese Giant. Said to be a cross between Chinese Giant and Ruby King. An excellent sort for stuffing; very desirable for market. Pkt. 10c., oz. 40c., ¼ lb. \$1.10, lb. \$4.00.

Ruby King. Probably the best known of the large, longer types. It is very productive; flesh is free from fire, always sweet and tender. It will outyield any other large variety. Makes a handsome appearance in the basket or on the market stall. We have this strain grown near Newark, and consider it unsurpassed. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50.

Sweet Mountain. Similar to Bell, or Bull Nose, and claimed by many to be the same thing. We have, however, had this variety grown for us under this name, from selected stock. Pkt. 5c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

Our Pepper Seeds, all varieties, are produced in New Jersey by experienced growers and will give the best satisfaction. Try them.

Full cultural directions on each packet.



Green Mountain Potato

POTATOES

Culture.—Potatoes are planted early and late. Cut 2 to 3 eyes to a piece. Plant in rows or hills about 3 feet apart and about 15 to 18 inches apart in the hills or rows. Cultivate thoroughly. One peck will plant about 100 hills, 10 to 12 bushels will plant an acre. Prices subject to change without notice.

Queen. A grand, early Potato, resembling Beauty of Hebron in color, shape and size, but is much earlier, and a heavy cropper. Pk. \$1.00, bus. \$3.00, bbl. \$6.00.

Green Mountain. One of the very best main crop or late varieties. It is an immense yielder, does well in poor soil, producing tubers of large size; very attractive; an excellent keeper. Pk. \$1.00, bus. \$3.00, bbl. \$6.00.

Irish Cobbler. This extra early variety is one of the very best. It matures in 7 to 8 weeks. Tubers

large, nearly round, very heavy yielder; clean, smooth, white skin; of excellent quality. Pk. \$1.00, bus. \$3.00, bbl. \$6.00.

Early Rose. This variety is too well known to need a description. After many years it is as popular as ever. Pk. \$1.00, bus. \$3.00, bbl. \$6.00.

Carman No. 3. Enormously prolific, averaging nearly a pound apiece; very uniform in shape, white skinned, few and shallow eyes; flesh snow-white and of exceptionally fine cooking qualities. Pk. \$1.00, bus. \$3.00, bbl. \$6.00.

PUMPKIN

Culture.—Pumpkins are easily grown in any section. They do best in rich soil, as vines are rank growers. Plant in hills 8 x 8 feet, or in the cornfield. Plant eight seeds to hill and thin to four. One ounce of seed will plant about 25 hills; 3 to 4 pounds per acre. Full cultural directions on each packet.

Connecticut Field. The popular sort for planting in the cornfield. Used very largely for stock feeding. A most excellent keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Golden Oblong. Rich golden-orange color; a good keeper; quality fine; cooks dry and very sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Jumbo, or King of the Mammoths. Grows to enormous size; color of skin a rich dark yellow; flesh light. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.20.

Large Cheese. Fruit flattened, skin smooth, rich cream color; superior quality; excellent for pies. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Small Early Sugar. Most delicious for pies. Fruits deep orange color, roundish-flat, slightly ribbed. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Striped Cushaw, or Crookneck. Very solid, thick flesh, small seed cavity; quality of the very best. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Tennessee Sweet Potato Pie. Pear-shaped, medium size, with slight ribs. Color creamy, frequently striped green. Cooks very dry. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Winter Luxury. The finest quality. Fine for Winter keeping. Skin deep orange yellow, closely netted. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.



Large Cheese Pumpkin

For Parcel Post rates, see page 1.

RADISH

Culture.—Sow seed as early in Spring as ground can be well cultivated, in drills, 12 to 14 inches apart; thin out to 1 inch apart for small, 2 to 4 inches for large varieties. Soil should be rich, light and well pulverized. Continue sowing every week or ten days for continuous crop. Quick growth insures good quality; they mature in from 18 days to 4 or 5 weeks, according to variety. One ounce to 100 feet of drill, 8 to 10 pounds per acre. Full cultural directions on each packet.

Bright Red Forcing. One of the earliest globe-shaped Radishes. Matures in 25 days. Color brilliant scarlet; short top; desirable for bunching. Flesh very tender and crisp. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

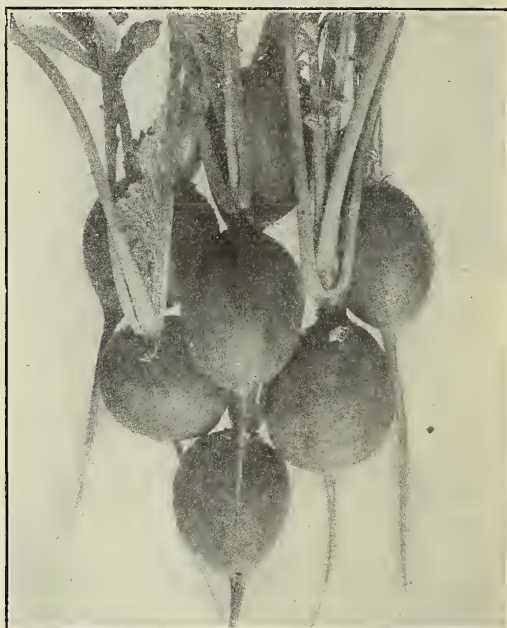
Crimson Giant. A large, globe-shaped variety. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second-early forcing varieties. Highly recommended for outdoor planting. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Early Scarlet Globe A very desirable variety for open ground or for forcing. It is nearly olive-shaped, bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra early sorts. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Early Scarlet Turnip. The old favorite Turnip-shaped Radish, of medium size, quick to mature; a very desirable variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Early White Box The best early white Turnip Radish; good for under glass or for outdoor. Makes a short top; grows rapidly; flesh is firm and sweet. A very desirable variety where White Radishes are preferred. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

French Breakfast. Olive-shaped, scarlet, white-tipped; grows very rapidly; is unsurpassed in quality; a very attractive sort when bunched; a good seller. Desirable for home use or for market. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.



Early Scarlet Globe Radish

Olive Shaped Scarlet. This is an olive-shaped variety; fine for forcing. Has very small top; good scarlet color; pull as soon as large enough for bunching. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Scarlet Turnip White Tipped Noll's strain.

A very popular variety for either outdoor or frame culture. Size medium, bright scarlet color, with a distinct white tip. Matures early, quality the best. This is probably more largely planted than any other variety by market gardeners. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Sparkler. A comparatively new, early variety. Globular in shape, rosy carmine, with white tip. Solid and crisp. Very short tops. This is a splendid variety and very highly recommended. Suitable either for the open or for forcing. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

SUMMER VARIETIES

Chartier, or Shepherd. A good outdoor Radish; matures quite early; very hard, crisp and tender. Color is a scarlet or rose, tipped with white at end. Roots are long and slender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.



Bright Red Forcing Radish

For Parcel Post rates, see page 1.

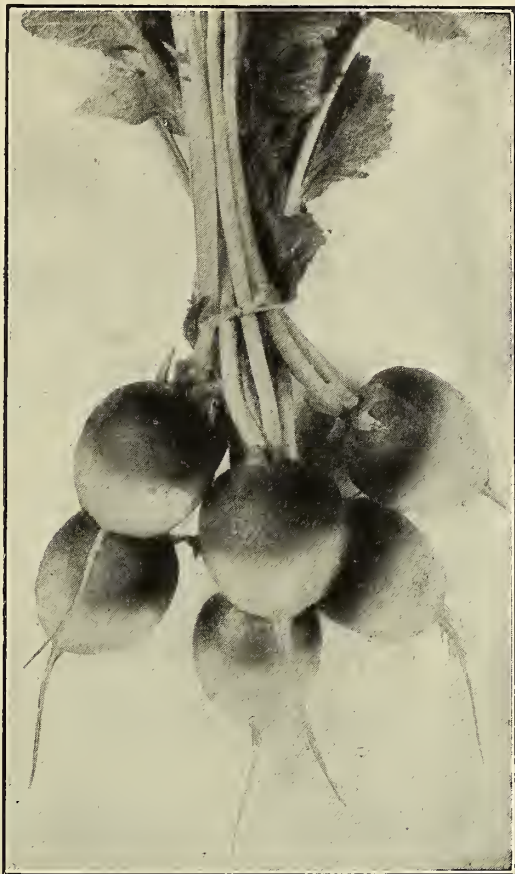
RADISH—Summer Varieties Continued

Giant White Stuttgart. Very large root, top-shaped, white skin; flesh firm and crisp; stands heat well. Give this variety plenty of room in the row as it produces mammoth bulbs. A highly flavored sort. A very desirable market variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Long Scarlet Short Top The best of the long red Radishes. This is the standard Long Scarlet Radish. More of this Radish is planted than any other long variety. We have a very choice strain of this popular sort. It is very early, of good size, fine quality; good for bunching, and is the most largely planted of all long red Radishes. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White Icicle The popular long white Radish; very early. The best long white Radish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White Vienna, or Lady Finger. A long white variety; very crisp and tender; grows to good size; matures early. Very similar in shape to Long Scarlet Short Top. It is a very desirable variety where long white Radishes are desired. The flavor is mild. We recommend this variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Scarlet Turnip White-Tipped Radish—See page 36

Olive-Shaped Golden Yellow. Similar to the olive-shaped scarlet except skin is golden yellow. Flesh is white and tender; an early variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

White Strasburg A good, white variety, oblong in shape; grows to good size; a desirable sort for Summer planting. One of the very best of the larger Radishes. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

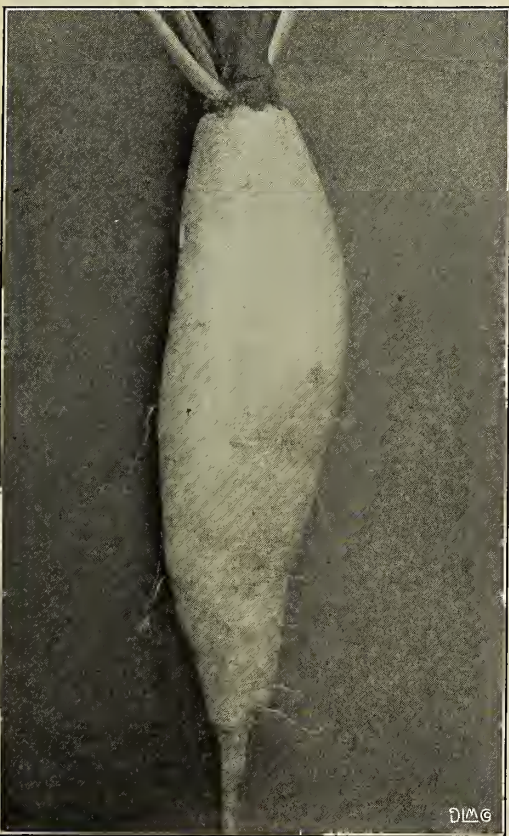
White Summer Turnip. A very desirable Summer Radish. Grows round, smooth root, crisp and firm. A favorite family Radish. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Yellow Summer Turnip. A favorite in the New York markets. Grows round, good size; skin a bronzy yellow; flesh very tender and good quality. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

WINTER VARIETIES

California Mammoth Winter. A large late or Winter variety. Pure white; grows partly above ground; keeps well through Winter months. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Celestial, or Chinese Winter. The best of the white Winter varieties. One of the best of all Winter Radishes. Grows about 1 foot long; flesh pure white; quality unsurpassed. We recommend this variety very highly. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Radish, Long White Vienna

For Parcel Post rates, see page 1.

RADISH—Continued

Half-Long Black Spanish This variety has become very popular in recent years and is one of the most desirable late varieties grown. The shape of the roots is half long, very uniform and they are grayish black in color. The flesh is white, firm and crisp. It is a very good keeper and is highly relished around the New York markets, where it is in great demand. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Long Black Spanish. A very late variety; grows to large size; skin black; flesh is very firm, and of good quality; it is a very popular market variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Rose China Winter Of cylindrical shape; color a light rose; has pure white flesh; grows 4 to 5 inches long; a great favorite for Winter use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Round Black Spanish. Round or top-shaped; grows 3 or 4 inches in diameter; skin black; flesh white. Where a round, black Radish is in demand this is the most desirable variety to grow. A good Winter keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

RHUBARB

Culture.—Plant in very rich soil, deeply cultivated. Plant in drills, about 1 inch deep; thin out to 1 foot in rows. Transplant roots in Fall, in highly manured soil, setting them 3 to 4 feet apart each way. Do not pull stalks until second year after transplanting roots.

Linnaeus. The best market sort; stalks red; flavor very fine. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Roots. 15c. each, 4 for 50c., postpaid. Large, untrimmed roots, not prepaid, \$1.25 per doz., \$9.00 per 100.

SALSIFY, or OYSTER PLANT

Culture.—Plant about same as Carrots or Parsnips. Roots are hardy and may remain in ground over Winter. Sow in drills early in Spring, in deep rich soil. Cover seed about 1 inch deep, and thin



Mammoth Sandwich Island Salsify

out to 1 to 2 inches in row. One ounce of seed to 50 feet of drill; 8 to 10 pounds per acre.

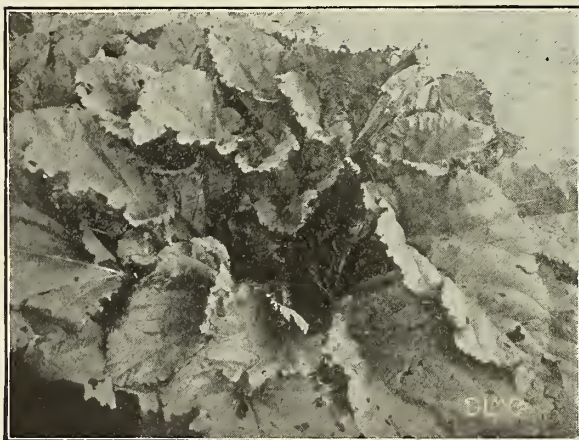
Mammoth Sandwich Island The best variety, far ahead of the old White French sort. Roots large and not liable to branch. Color nearly white; makes a very handsome bunch. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

SORREL

Culture.—Sow in drills early in Spring, thin out to 6 or 8 inches apart in the row. Commence cutting about 2 months after planting. Sorrel is hardy, will continue to bear for 3 or 4 years.

Large-Leaved French Cooked like Spinach; a very fine salad cooked as greens. Large leaves, mild acid flavor, fine quality. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

For Parcel Post rates, see page 1.



Rhubarb

SPINACH

Culture.—Spinach delights in rich soil. Sow in drills 12 to 18 inches apart in early Spring or Autumn. Cut before hot weather. If sown in Autumn protect plants with a light covering of straw after the first frost. One ounce to 100 feet of drill; 10 to 12 pounds per acre. Full cultural directions on each packet.



New Zealand Spinach

Belgium Evergreen Long Standing

Large, dark green leaves; grows close to ground; withstands hot, dry weather, showing no tendency to run to seed; also excellent for planting in the Fall to carry over Winter. Not desirable as an early sort, but one of the best for late planting. Our demand for this variety is increasing every year. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

Bloomsdale, or Norfolk Savoy-

Leaved The very popular variety so largely planted among market gardeners. We have single customers in the Norfolk section who plant 1000 to 1500 pounds of this desirable variety. Leaves are thick, dark green, perfectly hardy, good flavor. We highly recommend this to all our friends. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

Giant Thick-leaved Viroflay. A desirable market variety. Produces large, thick, green leaves, somewhat crumpled. Matures very early; stands a long time without shooting to seed. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

For Parcel Post rates, see page 1.

Long Season This is fast becoming one of the leading sorts. Stands more heat than any other variety of Spinach excepting New Zealand. The color is dark, leaves crumpled, growing close to the ground and are very thick. Every planter should give this variety a trial. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Mammoth Italian Long Standing

A dark colored Spinach which withstands heat admirably. It is a very heavy cropper, producing large, dark green leaves, which are very tender. Habit very dwarf, growing close to the ground. It is a fine sort for late planting also. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

New Zealand. A distinct variety, differing entirely from the ordinary Spinach; thrives in any soil. Cut leaves or shoots during entire Summer. A veritable "Cut-and-Come-Again." Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Round-leaved Winter. A hardy, well-known variety, with thick round leaves. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

Victoria. Withstands hot weather; slow to run to seed; a very popular sort in many sections. A good variety for market or for family garden. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 50c.

Montclair, N. J.

I bought my seeds last year from you and I was very pleased with the way they grew. I intend to buy them from you this year also.

C. RONALD MATTER.

South Orange, N. J.

I would say that everything, seeds, bulbs, plants and treatment, has certainly been very satisfactory and would be happy to recommend you.

CARRIT ROTH.



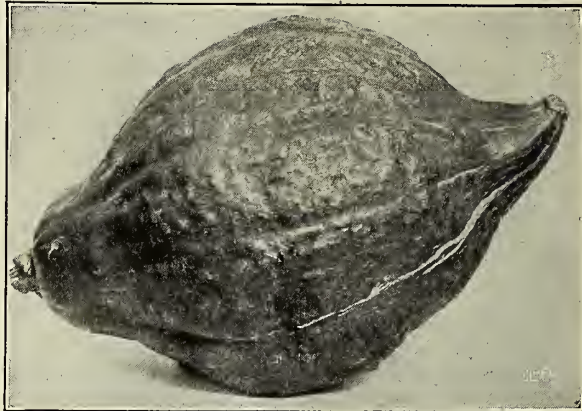
Bloomsdale, or Norfolk Savoy-Leaved Spinach

SQUASH

Culture.—Do not plant until settled weather, as plants are very tender. Use same methods as for Cucumbers and Melons. Summer varieties should be planted 4 to 6 feet apart each way. Winter varieties 8 to 10 feet apart. Leave 2 or 3 plants in each hill. Four ounces of seed to 100 hills for Summer sorts, 8 ounces to 100 hills for Winter sorts, 2 to 3 pounds per acre.

Boston Marrow. This is an old but still very popular variety. Skin is reddish; flesh is rich salmon color of fine quality. In many markets this variety leads all others in amount of sales. We recommend this strain very highly. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 85c.

Cocozelle. This Italian Squash grows about 20 inches long. The skin is smooth, of a dark green color, fine flavored. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Improved Hubbard Squash

Full cultural directions on each packet.

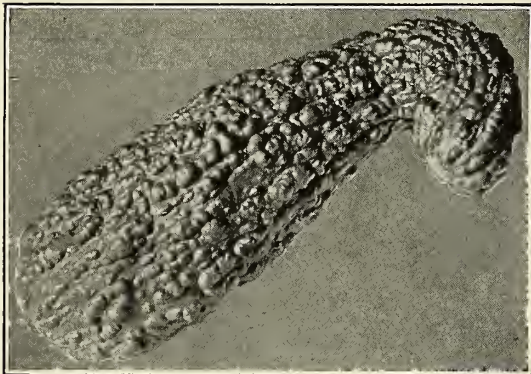
Mammoth Summer Crookneck. A strong, vigorous grower; fruit large and warted; flesh white; quality fine; very productive. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Long Island White Bush. A thicker and heavier variety than the ordinary White Bush; has very little rim; a good market sort and gives satisfaction wherever grown. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

White Bush Scalloped. One of the most popular Squashes today. Very desirable for the home garden, also for market. The fruits are scalloped or edged around the rim, are somewhat flat, but very meaty. The flesh is of the best quality, tender and delicious. Color of fruits a creamy white. Vine dwarf and vigorous. Our strain of this favorite Squash is unexcelled. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Yellow Bush Scalloped. Similar to White Bush except color is yellow. The quality is exceedingly fine; flesh is dry, deliciously sweet and tender. It is highly recommended for home garden culture. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Vegetable Marrow. Largely grown in England and worthy of far more culture here. The treatment accorded Squash is suitable for these. The flesh before becoming ripe is tender and marrowy, with a delicious flavor. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Mammoth Summer Crookneck Squash

Delicata. An early Fall variety, small but very prolific; color orange, striped with green; flesh firm, dry and very sweet. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.10.

Fordhook. A Fall or early Winter Squash of medium size; color a creamy yellow; a good keeper; flesh sweet and tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Improved Hubbard. One of the most popular Winter varieties; flesh fine grained, of bright orange color; cooks very dry, sweet and tender. A most excellent keeper. Shell is thick and tough, making it a most desirable shipper. It is much warted or roughened, and when ripe is sometimes greenish and at others reddish in color, depending on soil and weather conditions. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.10.

Mammoth Chili. The largest of all the Squashes. Flesh yellow, very thick, but of good quality. It is valuable for table use or for stock feeding. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Delicata Squash

For Parcel Post rates, see page 1.

TOMATO

Culture.—Plant seed in boxes or hotbeds, from 6 to 8 weeks before setting out in the open. Transplant in pots; when danger from frost is past plant in open ground, setting 3 to 5 feet apart each way. They should be thoroughly cultivated. One ounce of seed will produce about 1000 plants.

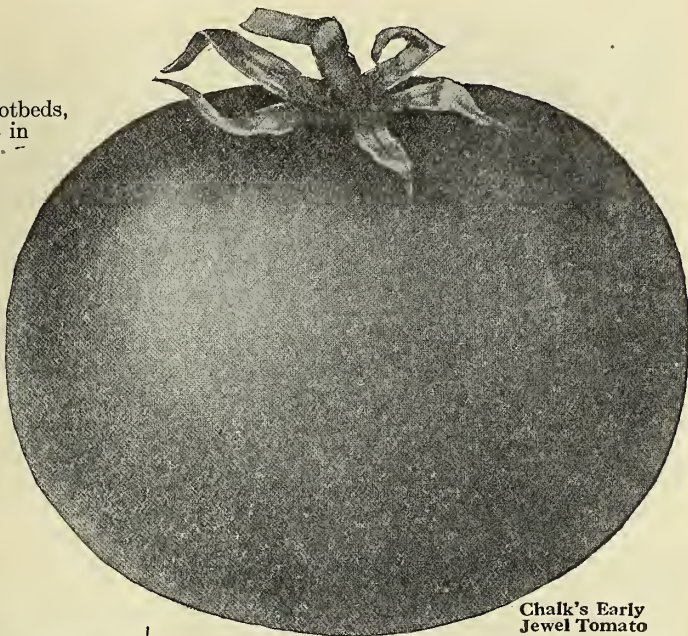
Acme. Hardy, vigorous and productive; fruit large, smooth, round; free from cracks; color purplish-pink. An old and well-known sort. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Beauty. Color purplish-pink; fruit large, very heavy and meaty; a very prolific and profitable variety; a good shipper. Very showy. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

Bonny Best. Early, good size and shape. Very prolific. This new sort is bound to be a leader, on account of its many good qualities. It is a vigorous grower; very prolific. Shape nearly round, partly flattened at stem end; very thick through. Color a bright scarlet; grows in clusters of 4 to 6. We are confident this variety will please all who plant it. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Chalk's Early Jewel A large, smooth, fine-flavored extra early.

This is a fine, large, early sort. Vines very vigorous and productive; fruit very solid; an excellent shipper. Plants are strong, robust, very prolific, not subject to blight. Comes in bearing a few days after Earliana but is much more desirable on account of size and quality. We consider this a very desirable red variety for home or market use. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Chalk's Early
Jewel Tomato

Early Detroit. This is not only the most productive of the early purplish-pink Tomatoes, but in uniformity and size of fruit, freedom from cracking and from tendency to blight it has been found to meet the most exacting requirements. Vine vigorous, very productive. Fruits smooth, uniform in size, nearly globe shaped, firm, excellent quality. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Dwarf Champion. Purplish-pink; dwarf vine, but very prolific. Fruit is large and smooth, and of excellent flavor. Can be planted much closer than the taller sorts. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Dwarf Stone. A good late sort. Vines are quite dwarf, but are very prolific. Fruit large, smooth and solid; color a very handsome scarlet. This is without doubt the best of the dwarf varieties. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Duke of York, or Buckeye State. Of special merit on account of its uniformity in ripening. Color a rich, glossy purplish-pink; a very heavy cropper; fruit large, firm, and heavy. It averages 8 to 10 fine Tomatoes in a cluster; ripens evenly up to stems; not subject to blight. An excellent sort for late Summer and early Fall. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Earliana Selected A very early variety, smooth, prolific, of good size; very uniform in shape; color bright scarlet, and of fine flavor. This variety is largely grown in the great Tomato-growing section of South Jersey. It is a great money-maker, as on account of its extreme earliness it brings the top prices. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Early June Pink. Similar in habit to Earliana; about the best of the early purplish-pink sorts. Plant is compact, branches freely; hangs in clusters of 6 or 8 fruits. Free from blight. Bound to be popular where pink-skinned sorts are in demand. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Tomato, Earliana Selected



Noll's New Discovery Tomato

TOMATOES—Continued

King of the Earlies This is a very fine early sort, producing large red Tomatoes, very firm and solid. The fruits are only a few days later than the Earliana, but are decidedly larger and more smooth. The vines are small but are very productive, the fruits being borne in clusters. A very good variety for the market gardener to grow; also desirable for the home garden. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Livingston's Globe. This new globe-shaped variety is very early, smooth and solid; skin a glossy purplish-pink; a heavy cropper, of excellent quality. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Matchless. A good keeper and shipper. A rich, red-skinned variety, of exceptional merit. It is a fine shipper; as skin is tough, stands rough handling. Plants are strong and vigorous; fruits are of large size, always smooth and regular in shape. This is one of the very best main or late crop Tomatoes. We recommend this variety to our market gardeners as one of the most profitable and satisfactory varieties. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Noll's New Discovery We claim this is one of the best extra early Tomatoes on the market. It is earlier than the Earliana, more productive, more smooth and a better color. It is from 5 to 6 days earlier than the Earliana, bears on an average 5 to 6 large fruits on the crown set. It is very solid and the quality is unsurpassed. One of our customers in Black Hall, Conn., who has raised Tomatoes for thirty years, writes that he never grew a better Tomato than our New Discovery in all this time, and he has tried them all. The plants are close jointed, bear fruit very freely. The fruits are uniform in shape and color and perfectly smooth. They are bright scarlet in color and have very small seed cavities. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Pear-Shaped Red. A Pear-shaped variety, used for preserving. Vines are very heavy yielders;

fruit bright red. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Ponderosa. Probably the largest of all Tomatoes. Color a bright purplish-pink; fruit smooth and regular in shape; a favorite sort for the home garden. Pkt. 10c., oz. 45c., $\frac{1}{4}$ lb. \$1.40, lb. \$5.00.

Red Cherry. Small, red fruit, about the size of a Cherry; very prolific; used largely for preserves and pickles. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Selected Stone We have a carefully selected stock of this favorite variety. For a main crop this sort cannot be surpassed. It is one of the very best for canning or for market use. Fruit large, of bright red color, very smooth, heavy and solid. We know of no variety that will give better satisfaction for all general purposes. Pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Success. This is a very fine variety for late crop. The fruits are large, firm and solid. Color is a bright scarlet. A very attractive sort, either for the market or home garden. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Sutton's Gold Mine A rich, purplish-pink variety, of large size; a healthy and vigorous grower; bears continuously until frost. An elegant shipper; carries long distances in perfect condition. We have had a great many favorable reports from this new variety. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Triumph. An extremely valuable late or main crop variety. Fruit very large and solid; bright red, ripens up evenly. Vines are prolific. This is an excellent variety for canning or for market purposes. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Trucker's Favorite. This is an old but very popular variety. It is productive, very firm and solid. Purplish-pink. A very good variety for main crop. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Yellow Plum. A yellow Plum-shaped fruit, deep in color; yellow flesh, of fine flavor. Good for preserves. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

WE make Tomatoes one of our leading specialties. Our strains of all varieties are of the highest quality. Don't fail to try Noll's New Discovery Tomato; it will certainly please you.

For Parcel Post rates, see page 1.

TURNIP

Culture.—Plant in drills about 2 feet apart and about $\frac{1}{2}$ inch deep or broadcast in thoroughly harrowed ground. Thin to 4 to 5 inches apart in the rows. Keep free from weeds. If wanted for early use plant early in the Spring. Main crop is usually planted in July or August. One ounce of seed to 200 feet of drill; 2 to 3 pounds per acre. Full cultural directions on each packet.

Cow Horn. Long white, except top, which has shade of green. Roots grow very large, crooked in shape, nearly half out of ground. Matures very early; is of good flavor. A very good keeper for Winter use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early Snowball. Very early; white skin and flesh; roots of good size; very firm, sweet and tender. Pkt. 5c., oz. 10c. $\frac{1}{4}$ lb. 25c., lb. 75c.

Golden Ball. Smaller than Yellow Globe; very handsome in appearance; a good keeper; flesh yellow, sweet and tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Purple Top Milan. The Milan is the earliest of all Turnips; white with purple top; very desirable for early planting. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Purple Top Strap-leaved. This variety is similar in color to the Purple Top Globe; the shape is flat; the best variety for markets which want flat Turnips. Flesh is white, fine grained and good quality. An excellent keeper for Winter use. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Purple Top White Globe The popular variety for market or home use. Flesh white and of excellent quality; shape is nearly a globe; skin white at bottom, purple at top, making a very attractive appearance. This variety is more largely planted than any other by market gardeners. It keeps well and is always in demand. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

White Egg. An egg-shaped sort of quick growth, smooth and white, small top. Roots grow half out of ground; very tender, sweet and mild. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

White Milan. Pure white; as handsome as early Purple Top Milan; flesh sweet and tender. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Purple Top White Globe Turnip

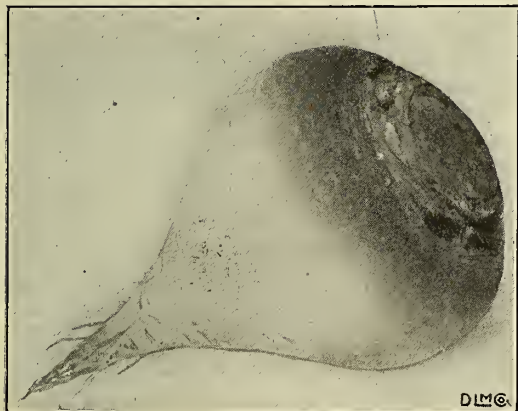
Yellow Aberdeen. A popular yellow-fleshed variety; medium-sized roots, very hardy, sweet, tender and desirable. An excellent variety for stock feeding as well as for table use. Productive and a splendid keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Yellow Globe, Green Top. Flesh yellow, round, medium in size. A very popular yellow sort. Fine grained, very tender. Good cropper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Yellow Stone. A globe-shaped, yellow-fleshed variety of good quality; a very good keeper. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

RUTA BAGA, or SWEDE

Long Island Improved Purple Top. The best, most popular and most productive of all. We list but this one sort of Rutabaga, as we consider our strain of this variety embraces all the good points contained in the Rutabaga family. Grows entirely without neck, has very small top and tap root. It is very productive, grows to large size, but is sweet and tender. Unsurpassed for stock feeding or table use; flesh yellow. The best for either market or home use. We cannot praise this stock too highly. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



Long Island Improved Rutabaga

For Parcel Post rates, see page 1.

HERBS, SWEET, POT AND MEDICINAL

Culture.—Most Herbs thrive best on light, sandy soil. Sow early in the Spring in carefully prepared and thoroughly cultivated ground. Plant shallow and press soil down firmly.



Pot Marjoram

- Anise.** Seeds aromatic and carminative. Pkt. 5c., oz. 10c., lb. 75c.
Balm. For culinary purposes. Pkt. 5c., oz. 30c., lb. \$2.50.
Basil. Sweet. Culinary herb used for flavoring soups, etc. Pkt. 5c., oz. 15c., lb. \$1.50.
Bene. The leaves used for dysentery. Pkt. 5c., oz. 15c., lb. \$1.00.
Borage. Leaves used as a salad. Pkt. 5c., oz. 10c., lb. \$1.00.
Caraway. Used in flavoring liquors and bread. Pkt. 5c., oz. 10c., lb. 60c.
Catnip. Has medicinal qualities. Pkt. 10c., oz. 40c., lb. \$4.00.
Coriander. Seeds aromatic. Pkt. 5c., oz. 10c., lb. 60c.
Cumin. Pkt. 5c., oz. 15c., lb. \$1.00.
Dill. Seeds used for flavoring vinegar. Pkt. 5c., oz. 10c., lb. \$1.00.
Fennel, Sweet. Seeds aromatic; for flavoring. Pkt. 5c., oz. 10c., lb. 60c.
Fennel, Florence. In flavor resembling Celery. Pkt. 5c., oz. 15c., lb. \$1.25.
Lavender. For oil and distilled water. Pkt. 5c., oz. 20c., lb. \$2.00.
Marjoram, Pot. Used in seasoning. Pkt. 10c., oz. 40c., lb. \$4.00.
Marjoram, Sweet. Used in seasoning. Pkt. 5c., oz. 20c., lb. \$1.50.
Rosemary. Yields an aromatic oil and water. Pkt. 5c., oz. 30c., lb. \$3.00.
Rue. Said to have medicinal qualities. Pkt. 5c., oz. 20c., lb. \$2.00.
Saffron. Used in medicine, and also in dyeing. Pkt. 5c., oz. 10c., lb. \$1.00.
Sage. Common. A culinary herb; also used in medicine. Pkt. 5c., oz. 15c., lb. \$1.50.
Savory, Summer. Used as a culinary herb. Pkt. 5c., oz. 15c., lb. \$1.25.
Savory, Winter. Used as a culinary herb. Pkt. 5c., oz. 20c., lb. \$2.00.

Tansy. Generally used in bitters. Pkt. 10c., oz. 50c.

Thyme, Broad-Leaved English. Used as a seasoning. Pkt. 10c., oz. 50c., lb. \$3.75.

TOBACCO

Culture.—Sow seed early in the Spring in seed bed; when plants are about 6 inches high transplant in hills 4 to 5 feet apart each way. Cultivate thoroughly. One ounce of seed for 5000 plants.

Big Havana. (Domestic.) Large leaf of good flavor and fine texture. Pkt. 10c., oz. 30c.

Connecticut Seed-Leaf. A popular variety in the North and New England States. Pkt. 10c., oz. 25c.

Sweet Oronoko. Produces good plug fillers; a fine natural chewing leaf. Pkt. 10c., oz. 25c.

White Burley. A valuable sort for either cut or plug Tobacco. Pkt. 10c., oz. 40c.

GARDEN LEMON

Produces fruit of a striking appearance, useful for preserves; has a decidedly acid flavor. Very productive. Cultivate same as Muskmelons. Pkt. 10c., oz. 30c.

IMPROVED GROUND CHERRY

The best of the husk Tomatoes; makes fine preserves. Fruit is a handsome yellow color, nearly round; enclosed in a husk, which opens as fruit matures. Plant and cultivate same as Tomatoes. Pkt. 10c., oz. 40c.

VEGETABLE PLANTS

We can supply in proper season the following:

	Doz.	100
Cabbage. Ready April 1st.....	\$0.15	\$1.00
Cauliflower. Ready April 1st.....	.20	1.50
Celery. Ready June 1st.....	.15	.75
Chives......Per clump, each 20c.	2.00	
Egg Plants. Ready May 15th.....	.40	3.00
Horse Radish. Ready March 15th..	.15	.75
Kohl Rabi. Ready May 15th.....	.15	1.00
Lettuce. Ready April 1st.....	.15	1.00
Pepper. Ready May 15th.....	.15	1.00
Sweet Potato. Ready June 1st.....	.15	.50
Tarragon. Ready March 15th		
	Each 35c.	3.50
Tomato. Ready May 1st.....	.20	1.00

At the prices quoted, these Vegetable plants are for delivery at our store, but with the exception of Chives and Tarragon can be packed and mailed if 10 cents extra per dozen be added. By the 100, purchaser pays transportation. For Parcel Post rates see page 1.

A LIST OF VEGETABLE SEEDS THAT CAN BE SOWN IN EACH MONTH FROM FEBRUARY TO SEPTEMBER

FEBRUARY

Sow in hotbed: Early Beans, Early Cabbage, Forcing Carrot, Early Celery, Cucumber, Egg-Plant, Early Lettuce, Parsley, Pepper, Radish, Tomato.

MARCH

Sow in hotbed: Early Beans, Early Beets, Brussels Sprouts, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg-Plant, Kohl-Rabi, Lettuce, Melon, Parsley, Pepper, Radish, Tomato.

Sow in open ground: Beets, Carrot, Cress, Leek, Onion, Peas, Potatoes, Radish, Spinach, Early Turnip.

APRIL

Sow in hotbed: Cucumber, Egg-Plant, Melon, Pepper, Tomato.

Sow in open ground: Asparagus, Beans, Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Endive, Kale, Kohl-Rabi, Leek, Lettuce, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip.

MAY

Artichoke, Asparagus, Beans, Beets, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive,

Kale, Kohl-Rabi, Leek, Lettuce, Melon, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Early Turnip, all Herbs.

JUNE

Beans, all kinds; Beets, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohl-Rabi, Lettuce, Melon, Nasturtium, Okra, Early Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Herbs.

JULY

Beans, Beets, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohl-Rabi, Lettuce, Nasturtium, Okra, Early Peas, Pumpkin, Radish, Ruta-Baga, Spinach, Squash, Herbs.

AUGUST

Beans, Bush; Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

SEPTEMBER

Cabbage for coldframes, Cauliflower for coldframes, Corn Salad, Cress, Siberian Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip.

THE BEST BOOKS (All Postpaid)

- Bulbs and Tuberous Rooted Plants.** C. L. Allen. A complete history, description, methods of propagation and full directions for the successful culture of bulbs in the garden, dwelling or greenhouse. Postpaid \$1.50
- Carnation Culture, Commercial.** J. Harrison Dick. A practical guide to modern methods of growing the American Carnation for market purposes. Postpaid 1.50
- Chrysanthemum.** The. A. Herrington. Postpaid .50
- Dahlia Manual.** The. W. W. Wilmore. The author presents in this treatise such information as is most commonly needed in successful Dahlia culture, the result of his twenty years' experience as commercial grower and originator of the new varieties. Postpaid .25
- Gardeners and Florists' Annual for 1916.** (See inside of front cover.) Postpaid .50

- Farm and Garden Rule Book.** L. H. Bailey. The most valuable compilation of general information on hundreds of subjects in connection with the entire art of gardening. The best general reference book in the market. Postpaid \$2.25
- Plant Culture.** George W. Oliver. A working handbook of everyday practice for the florist and gardener and those who intend to grow plants and flowers in the greenhouse or garden as a means of obtaining a livelihood. Postpaid 1.50
- Peony Manual.** The. [C. S. Harrison. Propagation, raising from seeds, diseases, preparing the ground, planting, forcing, shipping, etc., with complete list of varieties. 25
- Pruning Book.** The. L. H. Bailey. Explains the principles of each operation in every detail. Specific advice is given on the pruning of the various kinds of fruit and ornamental trees, shrubs and hedges. 537 pages, illustrated Postpaid 1.50

TESTIMONIALS

Sanford, Fla.

Please send me at your earliest convenience 2 lbs. of your Lettuce Seed, the Big Boston variety, same as you sent me last year. Those were the BEST I have ever had and I anticipate the same this season.

(Signed) C. R. WALKER.
Columbus, Ohio.

Herewith find check to balance account. Seeds furnished have turned out O. K.

(Signed) FRED WINDMILLER.

We believe your Noll's New Early Sweet Corn to be one of the finest second-early sorts in cultivation.

(Signed) C. S. CLARK & SON.

I have just cut a load of your Long Season Spinach, the finest I ever saw. Please send me two bushels of same at once.

(Signed) H. W. DUDLEY.

Your Early Detroit Tomato seed I used last year with such good results that I would never plant anything else.

(Signed) W. H. MULLOY.

Monte Verde, Fla.

Enclosed you will find money order for seed, \$13.00. The seed was all O. K., the best that was shipped to this place.

(Signed) C. F. McQUAIG.

Northumberland, Pa.

Potatoes arrived Wednesday morning in good condition and the best seed we ever received.

(Signed) G. P. MERTZ & BRO.

Palmetto, Fla.

I hope you will come again this Fall as your seed gave me perfect satisfaction.

(Signed) F. TAIT.

Webster, Fla.

Please find enclosed \$32.75, for seed which I bought of you in January. I was very well pleased with your seed; they gave perfect satisfaction.

(Signed) J. T. SPARKMAN.

Detroit, Mich.

The seed I bought from you proved very satisfactory, and I hope to be able to give you a larger order next year.

(Signed) JOHN G. HAFELL, Jr.

Troutdale, Ore.

I grew some of your Golden Self-Blanching Celery seed. It proved very satisfactory. Kindly let me know if I can get the same strain of seed direct from you the coming season.

(Signed) H. C. MCGINNIS.

LAWN GRASS SEED

OUR MIXTURES ARE UNSURPASSED

How and When to Sow. The soil should be rich and carefully prepared by being well pulverized. Sow the seed when the ground is fairly moist—but not too moist—and roll after seeding, if possible. If any re-seeding is done, do it before rolling. All Lawns are much benefited by frequent mowing, but do not cut too close in hot, dry weather or about the time the ground freezes. One quart will seed 300 square feet. Five bushels will seed an acre of new ground; about half these quantities for re-seeding or renovating after the ground has been scratched with a rake or otherwise prepared. The time to sow Lawn Grass Seed is in Spring or Fall.

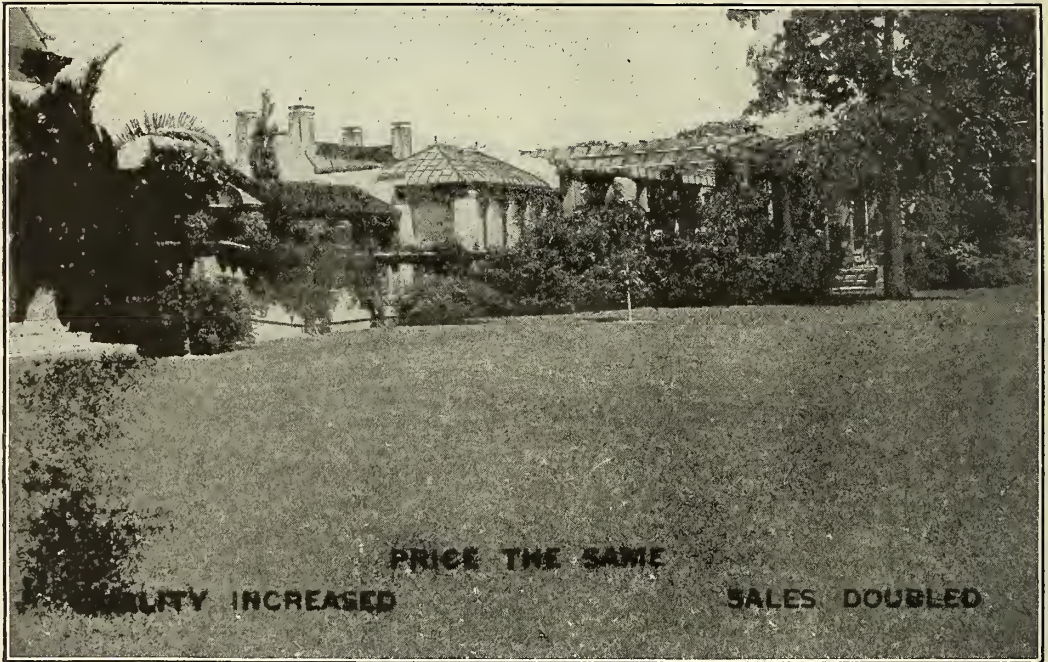
Change from Weight to Measure. While selling Lawn Grass Seed by weight has much in its favor, there is such a great demand for it by measure that we have decided to put it on sale by the quart, peck and bushel, and hope to continue this in future for the convenience of our customers.

As there is no standard weight per bushel for Lawn Grass Seed in the United States, we would mention that our Lawn Grass Seed weighs 20 lbs. to the bushel, so that those who still prefer to buy by weight can base their calculations in this way.

FREE DELIVERY OF LAWN GRASS MIXTURES. While we cannot deliver free of transportation all the goods we offer, yet we will do so in the case of Lawn Grass Mixtures.

From now on, therefore, we will deliver our Lawn Grass Mixtures free of transportation in the United States, by mail, express or freight, at our option, at the prices mentioned in this catalogue.

We will be pleased to correspond with any one wishing advice in the formation of Lawns and Golf Courses.



PRICE THE SAME

QUALITY INCREASED

SALES DOUBLED

THE "FORBES" LAWN GRASS SEED

See Illustration Back Cover

We claim and know that the "FORBES" Lawn Grass is the cleanest, thriftiest and most verdant on sale today. Letters from our customers in many parts of America corroborate our statement, and the increased sales of last year prove the superiority of our seed over all others, for quickest and most permanent results. The cost of seed to the purchaser should be to thinking customers of the least consideration. Our "FORBES" Lawn Grass is composed only of dwarf, evergreen, perennial, thick-swarding sorts of the choicest quality and perfectly hardy—blended in such proportions as to secure an even turf and an everlasting verdure.

Nothing is more pleasing to the eye than a good lawn, be it large or small, in the millionaire's property or in the yard of the cottager, and this can best be had by sowing the "FORBES" at a trifling cost. In compounding this mixture, the expense to ourselves has been slightly considered in our endeavor to offer for sale the best procurable, and we are satisfied we have succeeded in listing the purest Lawn Grass Seed ever catalogued.

PRICE, per qt. 30c., 4 qts. \$1.00, peck \$1.75, bushel of 20 lbs. \$6.00.

DELIVERED FREE OF TRANSPORTATION in the U. S. by mail, express or freight, at our option.

BRANCH BROOK PARK LAWN GRASS SEED

Named after one of our large city parks where it has been used for a number of years. To customers who do not wish our highest priced mixture, we can recommend this brand, as it is deservedly popular. Will produce a fine lawn in 6 to 8 weeks. PRICE, per qt. 25c., 4 qts. 85c., peck \$1.50, bus. of 20 lbs. \$5.00.

DELIVERED FREE OF TRANSPORTATION in the U. S. by mail, express or freight at our option.

NOLL'S SHADY PLACE GRASS SEED

This contains a majority of Grasses which in their natural state are to be found growing in shady places and in the woods. Shaded locations caused by overhanging large trees, buildings, etc., are not easily treated and it is difficult to secure a successful result, but we have combined a mixture of grasses producing an evergreen sward, which does well in shaded places. The varieties used are all dwarf growing, hardy perennial sorts and seed should be sown liberally, say 5 bushels per acre. An application of air-slaked lime at the rate of forty bushels per acre is a good preparation on such shady places as are to be sown with this mixture, especially if the land is wet or moss-grown, indicating "sourness." **PRICE, per qt. 30c., 4 qts. \$1.00, pk. \$1.75, bus. of 20 lbs. \$6.00. Delivered at our expense.**

"I find I require more Lawn Grass Seed. As the results from your 'Shady Place' have been so satisfactory under the most adverse conditions, I do not care to change my source of supply."

DANIEL E. FITZGERALD, Elizabeth, N. J.

"The 'Shady Place' Lawn Grass Seed gave good satisfaction. I must say that it came up well and it is the best I have ever had."

JOHN MERLATT, Bound Brook, N. J.

"Regarding the 'Forbes' Lawn Grass sown this season, it looks grand, and it would do your eyes good to see it, although the seed was not sown until the second week in June."

ALBERT COPSEY, Charlotte, N. Y.

"I am very much pleased with 'Forbes' Lawn Grass. It is absolutely free from weed seeds; has maintained a beautiful color all the season."

EVA B. BENDER, Roselle Park, N. J.



Noll's Shady Place Grass Seed

NOLL'S TERRACE GRASS SEED

Compounded from quick-growing, drought-resisting Grasses which produce a network of long roots and grow to a good depth, preventing washing out, etc. This mixture comprises many fine-leaved grasses which are to be found growing naturally on light soils, and is admirably adapted for growing on hillsides and embankments. **PRICE, per qt. 30c., 4 qts. \$1.00, pk. \$1.75, bus. of 20 lbs. \$6.00. Delivered at our expense.**

HUMUS

Many a lawn that has been well-nigh perfect in its day may, from neglect, be allowed to "run down" and be sadly in need of renovation. To get fresh and clean Lawn Grass Seed is comparatively easy, but when you need fresh, clean soil wherewith to top-dress the lawn, it is almost impossible to get it without getting at the same time a crop of weeds, many of which—Plantain, Dock and Dandelion—are hard and expensive to eradicate. Even stable manure has the same objection unless it has been well decomposed. This is where "Humus" will be found to supply a long-felt want. It is positively free from weeds and all vegetable life; is black and rich and fine, easily applied, and not costly. It is high in available nitrogen and other plant foods, retains moisture remarkably well, and is perfectly odorless. It is the very best material for top-dressing lawns and for indoor use in conservatories, boxes and pots, or for beds and borders out of doors. We strongly recommend it. **PRICE, 5 lb. bag 15c., 10 lb. bag 25c., 50 lb. bag 60c., 100 lb. bag \$1.00, ton of 2000 lbs. \$14.00.**

NOLL'S GRASS MIXTURE FOR GOLF COURSES

See Illustration Back Cover

We will be pleased to hear from Greens Committees and advise them as to the best methods to attain satisfactory results. We have made a close study of Grasses and will be willing to give our clients the benefit of our knowledge and experience. We claim to be specialists in this line and invite correspondence.

Our "Putting Green" Grass Seed

Valuable for sowing new greens and renovating old ones. **Lb. 30c., 100 lbs. \$26.00.**

Our "Fair Green" Grass Seed

Equally valuable for sowing new greens and renovating old ones. **Lb. 28c., 100 lbs. (enough for an acre) \$24.00.**

GRASSES

Note.—Prices given below on Grasses are net figures January, 1916, and are subject to market changes.

We endeavor to supply only the best grades of all Grasses and Clovers. Please bear this in mind when comparing our prices with those of others. There are many grades, and prices are often far apart. We have only one grade—"the best."

AWNLESS BROME GRASS (*Bromus inermis*). Does well on dry and poor soils; will stand long droughts and produce heavy crops. **Lb. 25c., 100 lbs. \$22.00.**

BERMUDA GRASS (*Cynodon dactylon*). Valuable for the Southern States. **Lb. 90c., 100 lbs. \$80.00.**

CANADA BLUE GRASS (*Poa compressa*). Useful for growing on hard clay and poor soil, also good for steep places. **Lb. 14c., 100 lbs. \$12.00.**

CREEPING BENT (*Agrostis stolonifera*). A valuable Grass for lawns; does well in moist places. **Lb. 50c., 100 lbs. \$45.00.**

CRESTED DOGSTAIL (*Cynosurus cristatus*). A valuable Grass for lawns and golf greens. 30 lbs. per acre. **Lb. 40c., 100 lbs. \$35.00.**

ENGLISH RYE GRASS (*Lolium perenne*). Perennial. A vigorous growing Grass in meadows of moist soil. Valuable for permanent pastures. Sow 30 to 40 lbs. per acre. **Lb. 12c., 100 lbs. \$9.00.**

FINE-LEAVED SHEEP'S FESCUE (*Festuca ovina tenuifolia*). Valuable for lawns and golf greens. A very fine-bladed Grass and the dwarfest Grass in the whole list. **Lb. 55c., 100 lbs. \$50.00.**

HARD FESCUE (*Festuca duriuscula*). Like Sheep's Fescue, a good Grass for sandy soil and under trees; does not grow tall. 30 lbs. per acre. **Lb. 30c., 100 lbs. \$28.00.**

ITALIAN RYE GRASS (*Lolium Italicum*). An annual or biennial Grass of high value for soiling. Remarkably rapid grower on good soil, being ready to cut in four or five weeks from seeding. 36 lbs. per acre. **Lb. 12c., 100 lbs. \$10.00.**

KENTUCKY BLUE GRASS (*Poa pratensis*). One of the best Grasses grown. Does well everywhere. Desirable for lawns. 60 lbs. per acre. **Lb. 18c., 100 lbs. \$15.00.**

MEADOW FESCUE (*Festuca pratensis*). Used in permanent pastures; very productive. Sow 50 lbs. per acre. **Lb. 22c., 100 lbs. \$20.00.**

MEADOW FOXTAIL (*Alopecurus pratensis*). Should always form a fair proportion of permanent pasture mixtures. It is very early, grows rapidly, and is highly relished by stock. **Lb. 50c., 100 lbs. \$45.00.**

ORCHARD GRASS (*Dactylis glomerata*). Fine for pastures; grows well under trees; very early; withstands drought and heat. 45 lbs. per acre. **Lb. 30c., 100 lbs. \$26.00.**

RED FESCUE (*Festuca rubra*). Very fibrous rooted; forms a thick, close sod. Valuable for terraces. **Lb. 32c., 100 lbs. \$30.00.**

RED TOP, or HERD GRASS (*Agrostis vulgaris*). One of the best permanent Grasses. Makes good pasture; valuable also for hay. 32 lbs. per acre. **Fancy, free from chaff. Lb. 28c., 100 lbs. \$26.00.**

RED TOP, or HERD GRASS. Same as above, except it is in chaff. Weighs only 14 lbs. per bushel. 50 lbs. per acre. **Lb. 22c., 100 lbs. \$20.00.**



Red Top

RHODE ISLAND BENT (*Agrostis canina*). Valuable for lawns or pastures. Does well on any soil. 40 lbs. per acre. **Lb. 55c., 100 lbs. \$50.00.**

SHEEP'S FESCUE (*Festuca ovina*). Good for sheep pastures. Does well in dry soils. 30 lbs. per acre. **Lb. 32c., 100 lbs. \$30.00.**

TALL FESCUE (*Festuca elatior*). Early and productive. Good for wet or clay soils. **Lb. 40c., 100 lbs. \$35.00.**

TALL MEADOW OAT GRASS (*Avena elatior*). Valuable for hay and pasture. **Lb. 30c., 100 lbs. \$25.00.**

TIMOTHY (*Phleum pratense*). The most popular of all for hay. Planted in all sections. If planted alone, 35 to 40 lbs. per acre; less if with other Grasses. **Lb. 14c., 100 lbs. \$12.00. (\$5.00 bus. of 45 lbs.)**

WOOD MEADOW GRASS (*Poa nemoralis*). Fine for shady places. Makes a fine sod. Sow 28 lbs. per acre. **Lb. 55c., 100 lbs. \$50.00.**

NOLL'S PERMANENT PASTURE AND HAY MIXTURE

A mixture of varieties which will form a permanent pasture, which lasts for years. May be used for hay crop or for pasture, as desired. This mixture is composed chiefly of native grasses and grasses which have been acclimated, and which, after trial, have been found to be best adapted for the purpose. These grasses are blended in their proper proportions to give the desired result. Sow on new land which has been plowed and harrowed, at the rate of 50 lbs. per acre. On ground partly covered with grass, 30 lbs. per acre. **PRICE, bus. of 14 lbs. \$2.70, 50 bus. \$2.60 per bus., 100 bus. \$2.50 per bus.** See illustration back cover.

MIXED PERMANENT CLOVERS. These, on account of their greater weight, should be sown separately immediately after the grass seed in the Spring. Clovers should never be sown in the Fall. This Clover Mixture comprises White, Mammoth or Pea Vine, Alsike, etc. Sow 10 lbs. per acre. **PRICE, lb. 45c., 100 lbs. \$40.00.**

AGRICULTURAL SEEDS

Prices subject to change without notice

CLOVERS

ALFALFA, or LUCERNE (*Medicago sativa*). The Clover of the West and is being more largely planted in the East every year. When thoroughly established, can be cut three or four times a year, yielding heavily each cutting. Do not plant on heavy soil. Soil must be thoroughly prepared by deep plowing and harrowing until it is in fine condition. It roots deeply and is a great nitrogen gatherer. Sow 20 to 30 pounds per acre. Lb. 30c., 100 lbs. \$28.00.

ALSIKE, or SWEDISH (*Trifolium hybridum*). A cross between the Red and the White, and the hardiest of the Clover family. Very valuable for pasture. Lasts many years. It is very sweet and fragrant. Bees obtain much honey from this Clover. Sow 6 pounds per acre. Lb. 28c., 100 lbs. \$26.00.

WHITE (*Trifolium repens*). Valuable for lawns or for pastures; also very valuable for bees. Sow at rate of 6 pounds per acre with other Grasses, or 8 pounds if sown alone. Lb. 65c., 100 lbs. \$60.00.

MAMMOTH RED, or PEA VINE (*Trifolium pratense perenne*). More robust than the ordinary red Clover. Valuable for plowing under. Sow in Spring 12 to 14 pounds per acre. Lb. 30c., 100 lbs. \$28.00.

RED (*Trifolium pratense*). Well known in all sections; planted largely wherever Grass is grown. Sow in Spring, 12 to 14 pounds per acre. Lb. 28c., 100 lbs. \$26.00.

SCARLET, or CRIMSON (*Trifolium incarnatum*). Used largely as a soil enricher. Sown in the Fall and plowed under in Spring it is a very valuable green manure. It roots deeply and places in the soil an abundance of nitrogen. Sow 15 to 20 pounds per acre. Lb. 16c., 100 lbs. \$14.00.

SOYA BEANS

Medium Early Green. Invaluable for plowing under for green manure or can be cut green for feeding. The grain is a rich milk producer, when ground and fed to cows. Sow one bushel per acre, (60 lbs. per bushel.) Bus. \$5.00, 10-bus. lots at \$4.80 per bus.

CORN—Sweet Fodder

For feeding and cutting in Summer, this provides a most satisfactory fodder. Every part of the plant above ground is digestible, so for an economical fodder and increaser of milk flow there is none better. (Sow broadcast, 2 bushels per acre.) Bus. \$2.60, 10-bus. lots at \$2.50 per bus.

OATS

White Tartar. A favorite variety in New York State, where it is grown in large quantities on account of its many good qualities. Heads are very large, well-filled with large kernels, straw very stiff and strong, standing up well in bad weather. This variety has outyielded any other in trials and field crops. This is a side-oat. We have the pure selected stock. Bus. (32 lbs.) \$1.55, 10 bus. (320 lbs.) \$15.00.

White Swedish. A large, heavy, plump Oat; stools very freely, has stout straw. Bus. (32 lbs.) \$1.45, 10 bus. (320 lbs.) \$14.00.

Sabattis, N. Y.

Please send fifteen bushels same formula as last—"Fair Green Grass Seed." What we have had from you has given perfect satisfaction.

A. D. ADAM.

MILLET

German, or Golden. Medium early; grows 3 to 5 feet in height; heads are compact and well filled; very large spikes. Seed round and bright golden color. For hay, sow broadcast 3 pecks to 1 bushel per acre; for seed, plant in drills $\frac{1}{2}$ to $\frac{1}{2}$ bushel per acre. Usually planted from May until August, according to location. Bus. (50 lbs.) \$2.50, 10 bus. \$24.00.

Hungarian. A favorite Summer forage crop. Sown in June, can be cut in about 60 days. Will yield 2 to 3 tons of hay per acre. Withstands heat and drought well. Plant about 3 pecks to 1 bushel per acre. Bus. (48 lbs.) \$2.25, 10 bus. \$21.50.

Japanese. Sometimes called Barnyard Millet. Grows very tall, 6 to 7 feet; makes valuable forage, and is the greatest yielder of all the Millets. Sow about 15 pounds per acre. Lb. 12c., 100 lbs. \$10.00.

RAPE

Dwarf Essex. Fine for sheep pasture; valuable as a soil enricher. Plant in June or July in drills at the rate of 3 pounds per acre, broadcast 5 pounds per acre. Can be planted alone or with other forage crops. Lb. 14c., 100 lbs. \$12.00.

RYE

Spring. A fine catch crop to plant where Fall-sown grain has failed. $1\frac{1}{2}$ bushels per acre. Bus. (56 lbs.) \$2.60, 10 bus. (560 lbs.) \$25.00.

Winter. The Rye largely planted in the Fall. Bus. (56 lbs.) \$1.90, 10 bus. (560 lbs.) \$18.00.

JAPANESE BUCKWHEAT

Enormous yielder, early, large grain, acclimatized seed, grown from genuine imported stock. Sow 1 bushel per acre. Bus. (48 lbs.) \$2.00, 10-bus. lots at \$1.90 per bus.

PEAS

Canada White Field Peas. Exceptionally hardy and valuable for early Spring sowing; very prolific. Pk. \$1.00, bus. of 60 lbs. \$3.75, 10 bus. \$36.00.

Cow Peas. A first-class green fertilizer; does well on all sorts of soils and under adverse conditions. The feeding value, also, whether in a green or cured state, cannot be overestimated. (Sow 2 bushels per acre, 60 pounds per bus.) **Black-Eyed**, bus. \$3.75, 10-bus. lots \$3.60 per bus. **New Era**, bus. \$3.25, 10-bus. lots \$3.15 per bus.

VETCHES, or TARES

Winter, Hairy, or Sand. Usually planted in Fall, is hardy and enormously productive; a fine cover crop. Plant alone, 1 bus. per acre, or with Rye, $\frac{3}{4}$ bus. of Vetch and $\frac{1}{2}$ bus. of Rye per acre. Cut for forage before seed sets; it will produce a second crop on same ground. Lb. 24c., 100 lbs. \$22.00.

WHEAT

Spring. This very often proves an excellent catch crop where Fall-sown seeds have failed; also useful for sowing with Grasses. (Sow $1\frac{1}{2}$ bushels per acre, 60 pounds per bushel.) Bus. \$2.50, 10-bus. lots at \$2.40 per bus.

Winter. All the standard sorts. Prices on application.

FIELD CORN

DENT VARIETIES

Droughtproof. A Yellow Dent variety of great merit. This is an early Yellow Dent, which originated in Ohio. It has been on the market for several years and each year adds to its popularity. The introducer claims: "It is the largest grained and has the smallest cob of any Yellow Dent Corn. Brightest colored grain. Fully as early as Leaming. Yield not excelled by any other sort. Strong growth of stalk and handsome ear. An unusual yield of shelled Corn insured by depth of grain." It withstands drought better than other varieties. All points considered, it is the best 90 to 100-day Corn on the market. We have stock direct from Ohio. Pk. 75c., bus. \$2.50.

Eureka. An early, large-eared yellow Corn, of the Dent variety; grains are very deep, good orange color; cob small; matures early, a week or 10 days later than the Leaming. Very productive; good large fodder. We have sold hundreds of bushels of this variety to our customers in the past 2 or 3 years; they pronounce it the best Corn they have ever grown. Pk. 75c., bus. \$2.50.

Leaming. A very early and prolific variety; ears of good size; grain of good color, very heavy; a very popular variety for ensilage purposes. We know of no better sort for this use, especially in the North. Pk. 60c., bus. \$2.25.

Improved Mastodon. Considered the earliest of all large-eared varieties. This Corn originated with Mr C. S. Clark, of Ohio, who is probably the largest grower of seed Corn in America. He thinks this is the best of all the large-eared sorts. It matures very early, grows a very large ear, deep grain, and of good color. It will grow a crop farther north than any other large Dent variety, and will produce more bushels per acre than any Corn we know of. It matures in from 96 to 110 days; is far ahead of Golden Beauty. It is a cross between White Cap Dent and Early Row Dent. We offer headquarters stock direct from Mr. Clark. Pk. 75c., bus. \$2.50.

Golden Beauty. A broad-grained, large-eared variety, maturing in about 120 days. Cob is small; grain very heavy and of a beautiful golden-yellow color. This is a very popular variety in New Jersey. Pk. 60c., bus. \$2.25.

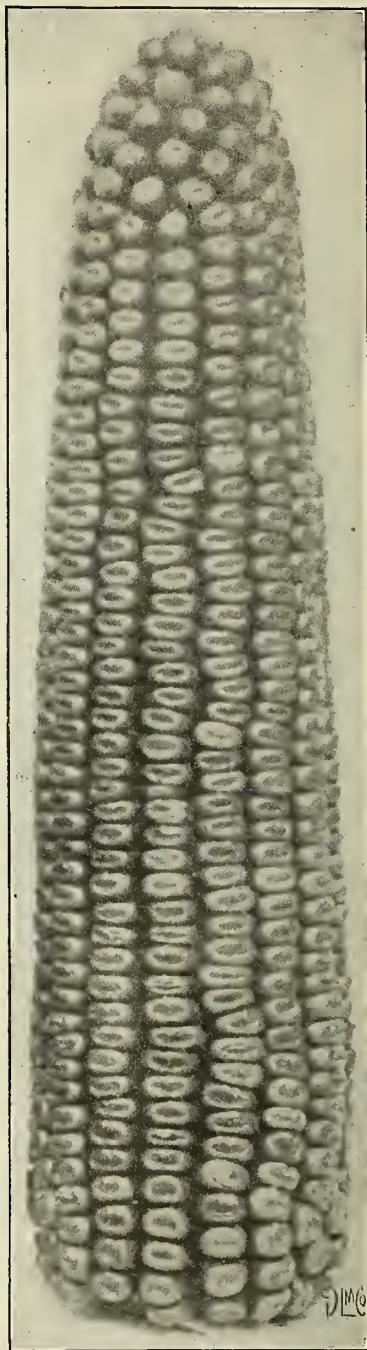
FLINT CORN

Canada Yellow. This is the old and still popular Yellow Flint variety. Matures in 90 days, and is always reliable. Ears are of good length, containing 8 rows of large, yellow grains. Also grows a good fodder. Will mature where other varieties fail. Grows on poor land and gives large crops. A popular New England Corn. Pk. 60c., bus. \$2.25.

Large White. Large, handsome, well-filled ears; grain white. Will mature early and give good satisfaction. Pk. 60c., bus. \$2.25.

Longfellow. The longest ear of all the Yellow Flint Corn; will ripen as far north as Massachusetts. A good yielder. Pk. 60c., bus. \$2.25.

Note:—If Corn is wanted in lots of 10 bushels or over, deduct 10c. per bus.



Field Corn, Improved Mastodon

FREE DELIVERY FOR NEWARK AND SUBURBS, THE ORANGES AND VICINITY

We deliver by our own wagons any goods bought from this catalogue as follows:

MONDAY—Clinton Hill section, Irvington, Hillton, South Orange, Vailsburgh.

TUESDAY—East Orange, Orange, West Orange.

WEDNESDAY—Down Neck, Harrison, Kearny, Arlington.

THURSDAY—Woodside, Belleville, Silver Lake, Bloomfield.

FRIDAY—Clinton Hill section, Irvington, Vailsburgh, East Orange, Orange, West Orange.

SATURDAY—Down Neck, Woodside, Roseville.

For parcel post rates, see page 1.

FLOWER SEED NOVELTIES AND SPECIALTIES OF MERIT

ALYSSUM BENTHAMII (Compactum Lilacium)

Very distinct sort, with upright spikes of pure lilac flowers. H. A. 6 ins. Pkt. 10c.

ANTIRRHINUM (Snapdragon) fl. pl.

A new double variety of the tall-flowering Snapdragon. The flowers are white, and are borne on long spikes. An excellent cut-flower for vases. H. B. 1 to 2 ft. Pkt. 10c.

ANTIRRHINUM (Snapdragon) fl. pl. Yellow

This is a new variety producing double flowers of a brilliant canary yellow, and possesses in other respects the same remarkable attributes as the above. H. B. 1 to 2 ft. Pkt. 10c.

AQUILEGIA CHRYSANTHA (Double Yellow)

A new variety of Aquilegia, having exquisite flowers of deep, golden yellow; 70 per cent. come double. H. P. 2 to 3 ft. Pkt. 10c.

CAMPANULA PRAECOX, MIXED

A new and excellent variety of Canterbury Bell, blooming from two to three weeks earlier than the older sorts. H. P. 1-2 ft. Pkt. 15c.

DELPHINIUM PAULI

An interesting hardy Larkspur from East Africa, producing white flowers with dark blue stamens. 20-24 in. Pkt. 20c.

GERBERA JAMESONI

(Scarlet Transvaal Daisy)

An excellent flower, growing to the height of 2 to 3 feet; of a deep scarlet shade. Fine for cutting. H. H. P. Pkt. 15c.

GERBERA JAMESONI HYBRIDA

Fine new hybrids, varying from pure white through shades of yellow, pale red and salmon rose, cherry red, etc. H. H. P. 2 to 3 ft. Pkt. 15c.

GYPSOPHILA MURALIS ALBA

A distinct variety of Gypsophila muralis, possessing all the good qualities of the rose-blooming type, but with snow-white flowers. H. A. 2 to 3 ft. Pkt. 15c.

PENTSTEMON HARTWEGII

(Gentianoides Albus)

The plants of this fine new variety attain a height of about 2½ ft., producing pure white flowers borne on long spikes. H. P. Pkt. 15c.



Aquilegia Chrysantha, (Double Yellow)

PETUNIA, BALCONY

In Europe, few plants have grown in general favor so rapidly as the Petunia Balcony, which, by its great profusion and persistence of bloom, its luxuriant growth and freely branching habit, is remarkably suited for windows, pergolas and balconies. We offer it in three colors. H. A. 1 ft.

White, Rose, Dark Red. Each 20c.

SALVIA SPLENDENS COMPACTA ALBA

A new variety of a whitish color. H. A. 1½ ft. Pkt. 10c.

STOCK, GIANT ABUNDANCE

Fine spikes of large carmine-rose flowers produced in extraordinary profusion; excellent for cutting. H. A. 1½ to 2 ft. Pkt. 10c.

SUNFLOWER—New Red

The plant is of freely branching habit, producing numerous well-shaped, dark-centered, brilliant flowers, banded with bright chestnut-red, mostly merging to yellow at the tips of the petals. H. A. 3 to 4 ft. Pkt. 10c.

AGAPANTHUS umbellatus. Showy plants Pkt.
producing large clusters of bright blue
flowers. Almost hardy. Perennial..... \$0.10

AGERATUM (Floss Flower)

One of the leading plants for beds or borders. Rapid growers, early and constant bloomers, and their bright flowers are produced in the greatest profusion. H. A.

Lasseauxi. Rose-colored flowers, growing to the height of 1 ft..... Pkt. \$0.05

Little Blue Star. The small plants are almost completely covered with lovely clusters of light blue flowers, with dark red center. 4-5 in..... .10

Blue Gem. Large, dark blue flowers. 6 in. .05

Purity. White flowers of finest form. 9 in. .10

Mixed. All sorts..... ¼ oz. 15c. .05

AGROSTEMMA (Rose Champion). Mixed. Bright-colored flowers on long, slender stems; blooms the first season. H. P. 1-2 ft. .05

ALYSSUM

A free-flowering annual of great beauty and utility. Easy to grow and everywhere popular. Useful for beds, vases, edgings or rockeries. The fragrant flowers may be cut constantly all Summer, others forming at once. H. A.

Carpet of Snow. The best variety for beds or borders. 3-4 in. ½ oz. 30c., oz. 50c. Pkt. \$0.10

Sweet. A fine variety for cut flowers..... Oz. 40c. .05

Saxatile compactum. Beautiful golden-yellow flowers. H. P. 12 in..... .05

AMARANTHUS

Ornamental foliage plants of striking effect.

Caudatus (Love-Lies-Bleeding). Blood red; drooping. 3 ft. T. A..... Pkt. \$0.05

Tricolor splendens (Joseph's Coat). Scarlet, green and yellow; fine. 3 ft. T. A.... .05

Mixed. Many beautiful sorts. T. A..... .05

AMPELOPSIS Veitchii (Boston Ivy). In the Autumn the glossy leaves assume most beautiful scarlet and crimson tints. H. P. C. 30-60 ft..... .10

ANAGALLIS grandiflora, Mixed. Half-hardy annual of easy culture. 6 in..... .05

ANCHUSA Capensis. Azure blue. A very fine half-hardy annual. 1½ ft..... .05

ANTIRRHINUM (Snapdragon)

A showy and useful plant, and one of the most popular flowers; useful for beds or borders. H. B.

The Snapdragon is one of our finest biennials, flowering the first year from seed. 1½ ft. Pkt.

Luteum. Bright yellow..... \$0.05

Atrococcineum. Dark scarlet..... .05

Romeo. Violet rose, with pale lip..... .05

Firefly. Scarlet and white..... .05

Album. Pure white..... .05

Tall Mixed. All sorts..... ½ oz. 30c. .05

New Giant-flowered. Mixed.... ¼ oz. 25c. .10

Tom Thumb. Mixed. 10 in..... .10



Agapanthus umbellatus

AQUILEGIA (Columbine)

Bears countless numbers of exquisite blossoms. Few hardy perennials are as easily raised from seed. H. P.

Cærulea Sepal. White, with lilac on tip of petals. 3 ft..... Pkt. \$0.10

Cærulea hybrida. Large-flowered, long-spurred varieties..... .10

Glandulosa vera. Deep blue, with white corolla..... .25

Chrysantha. Golden yellow. 3 ft..... .10

Skinneri. Crimson and light green. 3 ft... .10

Jätschaui. Yellow, long red spurs. 3 ft.... .10

Flabellata nana alba. White. 1 ft..... .10

Rose Queen. Rose shades with white.... .10

Single Mixed. All colors. 2 ft..... .05

Double Mixed. All colors. 2 ft..... .05

ARABIS Alpina. A fine border plant, covered with white flowers. H. P. 8 in. .10

Rosea. A very rare species. 6 in..... .25

ARISTOLOCHIA siphon (Dutchman's Pipe). Rapid, luxuriant growth; large, heart-shaped leaves; curious brown-purple flowers, thought to resemble pipes. H. P. C. 30 ft..... .10

ASPARAGUS Sprengeri (Emerald Feather). One of the best plants to grow in suspended baskets. G. P. 4-6 ft..... .10

Plumosus nanus (Climbing Lace Fern). Of wonderful beauty; the leaves are bright green, gracefully arched. G. P. 3-4 ft..... .20

ASPERULA odorata (Sweet Woodruff). Grown for the fragrant leaves and stems. H. P..... .05

NOLL'S ASTERS

Asters are of very easy culture. Seed can be sown in the open ground in May, for blooming during September and October. For earlier blooms sow in March or April in hotbed, coldframe or boxes in the house. Do not cover seed more than one-quarter of an inch. H. A.

Giant Comet, or Poodle

Flowers of immense size, often 6 inches across. Long, wavy, twisted petals, gracefully formed into loose yet dense half globes, resembling Japanese Chrysanthemums. 12-16 in.

White, Bright Rose, Dark Violet, Azure	Pkt.
Blue, Crimson Yellow.....	Each \$0.10
Mixed.....	1/4 oz. 35c., oz. \$1.25 .10

Hohenzollern

A very splendid sort for cutting; about 18 inches tall.

White, Rose, Dark Blue, White passing to Rose.....	Pkt. Each \$0.10
Mixed.....	1/4 oz. 85c. .10

Noll's Improved Victoria

Our strain of this type is undoubtedly the finest in existence. Flowers large, perfectly double, each petal elegantly overlapping and beautifully imbricated; plants of pyramidal form. 18 in.

Pure White, Crimson, Light Blue, Violet, Peach Blossom.....	Pkt. Each \$0.10
Mixed.....	1/4 oz. 75c. .10

Queen of the Market

Best early Aster in cultivation. Usually in bloom two weeks before most other sorts. 1 ft. Pkt.

White, Crimson, Pink, Blue.....	Each \$0.10
Mixed. All colors.....	1/4 oz. 35c., oz. \$1.00 .10

Sample's Late Branching

Superior to any other class of late-flowering, branching Asters. Flowers large, 4 inches across, very double, and are borne on long stems. 18-24 in.

White, Lavender, Shell Pink, Crimson, Purple, Yellow.....	Pkt. Each \$0.10
Mixed.....	1/4 oz. 30c., oz. \$1.00 .10

Noll's Mammoth Chrysanthemum-Flowered

They combine more points of merit than any other one class of Asters, bearing extraordinarily large semi-spherical double flowers, averaging five inches in diameter, of the most symmetrical form. They are of great durability, the petals being of splendid substance, withstanding storms, rains and hot suns better than any other Aster. 20 in.

White. Handsome, pure satiny white; fine form.....	Pkt. \$0.10
Scarlet. Magnificent, glowing crimson scarlet.....	.10
Peach Blossom. Extra fine, lovely, bright rose.....	.10
Light Blue. Beautiful, light azure blue.....	.10
Mixed. All colors.....	1/4 oz. 75c., oz. \$2.50 .10

Truffaut's Peony-Flowered

Flowers very large, from 3 to 4 inches in diameter; stems long and wiry. 18-24 in. Pkt.

Light Blue, Pink, Snow White, Scarlet	Each \$0.10
Mixed.....	1/4 oz. 40c. .10



Noll's Mammoth Chrysanthemum Aster

The Vick Asters

Unsurpassed for cutting. Pkt.

Purity. White.....	\$0.10
Daybreak. Pink.....	.10
Sunset. Light pink.....	.10

Crego Aster

The plants are of a branching growth, attaining a height of from 2 to 2 1/2 feet. The flowers measure 4 inches in diameter, and have a curling of reflexed petals in the center; blooming in August and September. Pkt.

White, Pink, Crimson.....	Each \$0.10
Mixed.....	.10

Ostrich Feather

Flowers have loosely arranged petals and are from 5 to 7 inches in diameter. 12-16 in. Pkt.

Dark Maroon, White, Blue, Rose....	Each \$0.10
Finest Mixed.....	1/4 oz. 50c. .10

Noll's Choicest Mixture

A selection of the leading sorts. Pkt.

Mixed.....	1/8 oz. 25c., 1/4 oz. 40c., oz. \$1.25 \$0.05
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Aster Perennial Varieties

Large-flowered. Mixed.....	Pkt. \$0.05
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BALLOON VINE (Love-in-a-Puff). A rapid Pkt.
grower; bears small, white flowers, followed
by inflated seed pods. T. A. C. 10 ft.... \$0.10

NOLL'S SUPERB LARGE-FLOW- ERED DOUBLE BALSAM

This is the finest strain yet attained, the magnifi-
cent flowers being of immense size and faultless form.
More uniformly double than any other strain. H.
A. 18-24 in.

Double White, Rose, Yellow, Scarlet and Pkt.
Lavender.....Each..Oz. 80c. \$0.10
Double Mixed.....Oz. 70c. .05

BARTONIA aurea (Golden Yellow) A
beautiful, hardy annual that blooms all
through the season. 3 ft..... .05

BEGONIA. These take rank with Geraniums
and Coleus as bedding plants. Easily
raised from seed. T. P. 8-12 in.

Vernon. Fibrous rooted. Bright orange-
carmine flowers..... .10

Tuberous-rooted. Double and single,
mixed. All colors..... .20

BIRD OF PARADISE FLOWER. Flowers
rich, golden yellow, 2½ in. in diameter,
produced in large trusses; the incurved
stamens and pistils are of a beautiful, bright
scarlet. Start indoors or under glass in
light soil. G. P. 24-36 in..... .10

BITTER SWEET (Wax Work). Handsome,
large leaves; produces yellow flowers in
May and June; clusters of ornamental
orange-capsuled fruit in Autumn. H. P.
C. 15-25 ft..... .05

BOLTONIA asteroides (1000 to 1 Aster).
Innumerable white flowers nearly an inch
across. H. P. 3-5 ft..... .10

BRACHYCOME, Fine Mixed. The well-
known "Swan River Daisy." A beautiful
half-hardy annual; blooms all Summer.
1 ft..... .05

BROWALLIA (Amethyst). Completely
covered during Summer with innume-
rable flowers. G. P.

Speciosa major. Brilliant, ultramarine-
blue flowers. 1 ft..... .10

Mixed. Many colors. 18 in..... .05

BUTTERFLY RUNNER BEAN. The large
wings are pure, spotless white, standard
salmon rose. Fine for arbors and trellis.
A. C. 12-15 ft..... .10

**BUTTERFLY FLOWER, or SCHIZAN-
THUS.** Easily grown, bearing quantities
of gay, butterfly-like flowers, beautifully
marked. H. A. 18-24 in. Mixed colors.. .05

CALANDRINIA speciosa. A pretty, half-
hardy annual, continuously in bloom.
Flower purple. 6 in..... .05

CALCEOLARIA. Highly colored flowers,
produced in great profusion. G. P.
1 ft.

Fine Mixed Hybrids..... .20



Calendula, Prince of Orange

CALENDULA (Cape, or Pot Marigold)

Will grow in almost any soil. Blooms abundantly
and continuously. H. A. 1 ft.

Prince of Orange. Flowers often 4 in. Pkt.
across, perfectly double, of the most bril-
liant orange color. A profuse bloomer.... \$0.05

Mixed. Double sorts.....Oz. 15c. .05

CALLIOPSIS

Thrives in any soil and requires scarcely any care.
Blooms until frost. H. A. 12-30 in.

Hybrida superba. Forms dense bushes, Pkt.
covered the entire Summer with beau-
tiful flowers, in all shades of orange yellow
to the deepest velvety brown. 18 in..... \$0.10

Drummondii (Golden Wave). Gold and
brown. 1 ft..... .05

Bicolor nana radiata (Golden Ray).
Golden yellow flowers, with dark purplish
brown centers. 6-8 in..... .05

Mixed. All sorts and colors....Oz. 20c. .05

CANARY BIRD FLOWER. Finely cut
leaves, and bears a profusion of beautiful
golden yellow, fragrant flowers. T. A.—C.
10 ft.....Oz. 25c. .05

CANNA (Indian Shot Plant)

Produce a rich effect with broad and massive
foliage and spikes of brilliant flowers. Pierce shell
of the seed and soak in warm water 24 hours.
Blooms from seed the first year. T. P. 2-5 ft.

Crozy's Hybrids. Magnificent flowers, Pkt.
thick, leathery foliage.....Oz. 25c. \$0.10

Fine Mixed. All colors..Oz. 15c., ¼ lb. 50c. .05



Campanula, Single White

CAMPANULA (Bellflower, Canterbury Bell)

See front page of cover.

Bears a great profusion of attractive, bell-shaped flowers. Thrives in almost any soil. H. A. 1-2 ft.

Carpatica. Large, blue or white flowers. Pkt.	
Blooms the entire season. 6-12 in.....	\$0.05
Single Blue, White, Rose.....	Each .10
Single Mixed.....	.05
Double Blue, White, Rose.....	Each .10
Double Mixed.....	.05

Medium Calycanthema (Cup and Saucer).

Often has 35 to 40 flowers open at the same time. 2 ft.

Blue, White, Rose.....	Each .10
Mixed.....	.10

CANDYTUFT

Requires little care, blooms all Summer. Sow in early Spring and in August. H. A. 6-12 in.

Empress. Large, white trusses of branching habit; very free blooming. Recommended for bedding and also fine as a cut flower. Pkt.	
Oz. 25c.	\$0.05

Little Prince. This charming dwarf variety is in great demand for borders and is a very satisfactory and pleasing bedder. The bloom is pure white; plant of compact growth and a profuse bloomer....	Oz. 30c. .05
Carminea. Large umbels, rich carmine....	.05
Purpurea. The very darkest crimson; a handsome strain.....	.05
Lilacina. Purple. 12 in.....	.05
Queen of Italy. Fine pink flowers. 6 in...	.10
Mixed. All sorts.....	Oz. 25c. .05
Dwarf Hybrids. Mixed.....	.10

HARDY PERENNIAL CANDYTUFT

Semperflorens. Pretty, white flowers, ever-green foliage.....	.10
Gibraltarica. Lilac, shaded to white.....	.10

CARNATION, GIANT MARGUERITE

This strain is the most compact and floriferous. For bedding or borders is unsurpassed. Plant grows upright and needs no support. Flowers double, measuring about 3 inches. H. A. 18 in.

Giant White.....	Pkt. \$0.10
Giant Scarlet.....	.10
Giant Yellow.....	.10
Giant Mixed.....	¼ oz. 50c. .10
Early Dwarf Vienna. A very fine variety of Carnation for indoor culture. Excellent for cutting. H. A. 1 ft.	
Double White, Rose, Mixed.....	Each .10
Double Red (Grenadin). Bright scarlet..	.10
Double Perpetual Carnation.	
Finest Mixed.....	.15
CATANANCHE Cærulea. Pretty, hardy perennial; blooms first season. Flowers blue. 1½ ft.....	.05
CATCHFLY. Forms compact, round bushes; produces dense umbels of red, pink or white flowers. H. A. 12 in.	
Mixed.....	.05

CELOSIA (Cockscomb)

Of easy culture and should be planted in every garden, large or small. The dwarf flowering varieties are excellent for borders and the taller sorts for backgrounds. Blooms the entire Summer. H. A.

President Thiers. Bears large, crimson combs. Excellent for borders. 1 ft.....	Pkt. \$0.10
Cristata, Dwarf, Dark Red.....	.05
Cristata, Dwarf, Yellow.....	.05
Cristata, Dwarf, Rose.....	.05
Cristata, Dwarf, Mixed.....	.05
Thompson's Magnifica. The most perfect strain of ostrich-plumed Cockscombs. Color ranges from clear yellow to blood-red in the most magnificent shades. 2-3 ft.	.10
Plumosa. Produces large, showy plumes. T. A. 2-3 ft. Crimson, Orange and Mixed.....	Each .10

CENTAUREA CYANUS

(Blue Bottle, Ragged Sailor, Korn Blume, Corn Flower, Bluet, Bachelor's Button, etc.)

Very free flowering. H. A. 2-3 ft.	Pkt.
Blue Emperor. Fine, bright blue... Oz. 15c.	\$0.05
Double Blue.....	¼ oz. 30c. .10
Rose. A very distinct shade. 1½ ft.....	.05
Mixed. Single.....	½ oz. 20c., oz. 35c. .05
Chameleon. Pale yellow when opening, turning to a beautiful rose color.....	.10
Odorata. Light blue; highly fragrant.....	.10
Margaritæ. Snow-white blossoms.....	.10
Suaveolens (Grecian Corn Flower). Brilliant yellow; sweet scented.....	.10
Imperialis, Mixed.....	.05
Americana. Lilac-purple flowers. H. A....	.10

CENTAUREA. DUSTY MILLER

Extensively used for borders, margins, bedding and hanging baskets. H. H. P. 1 ft.

Candidissima. Silvery white, cut foliage...	Pkt. \$0.10
Gymnocarpa. Silver-gray foliage.....	.10

CENTRANTHUS macrosiphon, Mixed. A Pkt.
very free-flowering annual, suitable for bor-
ders. 1 ft. \$0.05

CERASTIUM tomentosum. A favorite
plant, of the trailing habit, producing
abundant white flowers. H. P. 20

CHRYSANTHEMUM

Extremely showy and effective Summer bloomers,
flowering freely through the Summer months until
cut down by frost. For early blooming start seeds
indoors the latter part of March. Transplant to the
garden when danger of frost is past. H. A. 2-3 ft.

Bridal Robe. Very profuse bloomer. A Pkt.
bed in full bloom resembles a drift of snow.. \$0.10

Coronarium. Double White...... .10
Double Yellow..... .10
Double Mixed..... .05

Tricolor, Single White..... .05
Single Yellow..... .05
Single Scarlet..... .05
Single Mixed..... .05

The Tricolor sorts have beautiful rings or
eyes of colors.

Chinese and Japanese, Large-flowering.
Seed sown early in the house will produce
plants that will bloom the first year. High-
ly recommended. Many blooms are single
or semi-double. H. P. 2-3 ft. 20

Fl. pl. Pompon. Hardy varieties, with
bright, clustered flowers. 1½ ft. 20

**Frutescens (Paris Daisy, or French Mar-
guerite).** Large, star-shaped, white flowers,
with yellow center. H. P. 1 ft. 10

**CHINESE LANTERN PLANT, or Japa-
nese Winter Cherry.** Produces in great
bundance balloon-like husks about 3½
in. across, which at first are bright green,
changing later to yellow, then orange and
scarlet, greatly resembling at the last
miniature Chinese lanterns. H. A. 2 ft... 10

CINERARIA (Cape Aster). Our strain of
Cineraria seed is unsurpassed for beauti-
ful variety, richness of color, as well as
perfection of form and size of flower.
G. P. 18 in.

Noll's Choicest Hybrids. Our superior
strain..... 25

Polyantha Stellata, Mixed..... 25

Maritima Candidissima. White foliage. 10

CLARKIA. A profuse bloomer. H. A. 18 in. 05
Fine Mixed. Double and single varieties. 05

CLEMATIS

One of the best climbers for trellis, veranda, etc.
H. P. C. 15-20 ft.

Paniculata (Virgin's Bower). Star-like, white Pkt.
blossoms..... \$0.10

Jackman's Hybrids..... 10

Mixed. All sorts..... 10



Chrysanthemum Coronarium, Double White

COBÆA (Cathedral Bells). One of the Pkt.
handsomest and most rapid growers.
Flowers large, bell shaped, and a profuse
bloomer. T. A.—C. 30 ft.

Scandens. Rich purple..... \$0.10
Mixed..... 10

COLEUS

The handsomest foliage plant obtained from seed,
largely used for beds or borders. The colorings on
the leaves are remarkably rich and varied, ranging
through all colors. T. A. 12-24 in.

Mammoth Rainbow. Large leaves, often Pkt.
10 in. in length and 8 in. across, crumpled
and serrated in various ways..... \$0.15

Fine Mixed. Many fine varieties..... 10

CONVOLVULUS (Morning Glory)

Easily grown in any situation. One of the most
popular climbing plants. Almost every color is
represented and for covering arbors or trellis is
entirely satisfactory. H. A. C.

Major. This is too well known to need a
description. One seldom finds a more satis-
factory vine. 12-15 ft. Mixed colors.... Pkt.
Oz. 15c. \$0.05

Minor (Trailing, or Dwarf Morning Glory).
An excellent bedder, completely covers
the ground; the large flowers are of many
brilliant colors. 1 ft. Tricolor, mixed.... 05

COREOPSIS lanceolata. The bright yel-
low flowers are produced freely all Sum-
mer. H. P. 2-3 ft. 05

**CROTALARIA retusa (Yellow-flowering
Pea).** Rich, golden yellow blossoms of
true Sweet Pea form. The blooms are in
racemes, sometimes as many as 40 to a
single spike. G. P. 12-24 in. 10

COSMOS (The Glory of Autumn)

One of the most popular Autumn flowers and superior for cutting, lasting for several days. Start seed indoors to obtain an earlier and longer period of bloom. When the plants are about a foot high the top should be pinched off to induce a bushy growth. H. A. 3-7 ft.

NOLL'S MAMMOTH-FLOWERED

Flowers of this superb strain are 5 in. across, in the most exquisite shades. Start seed early and the results will be surprising. Pkt.

Pure White, Pink, Crimson	Each	\$0.10
Mixed	¼ oz. 15c., ½ oz. 25c.	.10
Klondyke . Orange colored; very fine.....		.10
Large-flowered, Choice Mixed . All sorts in finest mixture.....	½ oz. 15c., oz. 25c.	.05
Early Summer-flowering . The plants are dwarfer than the late-flowering Cosmos, forming compact bushes. The colors are white, crimson and pink, which we offer only in mixture. Mixed colors.....	¼ oz. 25c., ½ oz. 40c.	.10
Lady Lenox . Immense flowers of an exquisite shade of shell pink.....		.10

CYCLAMEN

Charming plants with beautiful foliage and rich-colored, fragrant flowers. Sow seed in a compost of well-rotted manure, leaf mold and sand, cover lightly with moss; remove this after seed germinates. Flowers are of enormous size and borne well above foliage on long, stiff stems. G. P. 9-12 in. Pkt.

Persicum . Fine mixed.....	\$0.10
Giganteum . Mammoth flowers. A splendid strain.....	.20



Cosmos, Noll's Mammoth-Flowered

CYPERUS alternifolius (Umbrella Plant). Pkt.

Resembles a Palm in general style and habit of growth. Can be easily grown in any bowl or dish half filled with rich soil. Keep well supplied with water. G. P.

18-24 in.	\$0.10
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CYPRESS VINE or STARFLOWER

(Ipomoea Quamoclit)

For trailing upon a light ornamental trellis this cannot be excelled. The star-shaped blossoms are produced in profusion. T. A.—C. 10-15 ft. Pkt.

Scarlet	Oz. 25c.	\$0.05
White	Oz. 25c.	.05
Mixed . Above in splendid mixture..	Oz. 20c.	.05

DAHLIA

Seed planted early in the Spring will produce plants that will give abundant blooms the first summer. As easy to grow as Zinnias. H. H. P. 2-5 ft.

Large-flowered, Double Mixed	Pkt.	\$0.15
Double Mixed.....		.10
Single Mixed.....		.10
Cactus Mixed.....		.10

DAISY (Bellis)

Seed sown in early Spring will bloom the first Summer, and continue for years if given slight protection during the Winter. Should be grown in partial shade. H. P. 3-6 in.

Giant Red . Glowing red, shaded rose; perfectly double.....	Pkt.	\$0.10
Giant White . Large, double; pure white...		.10
Snowball . Flowers large; double white....		.10
Giant Double Mixed.....		.10
The Shasta . Excellent for bedding or cut flowers. Flowers white, 3 to 4 in. across, on stems 18 in. long. Blooms all through the Summer months. 3 ft.....		.10
California . An exceptionally fine variety similar to the above, but with creamy yellow flowers. H. P. 3 ft.....		.10

DATURA (Trumpet Flower, Angel Trumpet) . For a showy plant the Datura is excellent. The grand trumpet-shaped flowers measure 6 to 9 in. in length and nearly 6 in. across and form two distinct trumpets. H. H. A. 3 ft.		
Cornucopia (Horn of Plenty) . Flowers white and purple; very fragrant.....		.05
Fastuosa alba . Large, double white.....		.10

DELPHINIUM (Perennial Larkspur)

Effective in beds or masses, in shrubbery or borders, or in combination with white Lilies. Allow ample room for development. H. P. 2-3 ft.

Yellow Zalil . Long spikes of a beautiful shade of sulphur yellow.....	Pkt.	\$0.10
Formosum . Brilliant blue, white center....		.10
Brunonianum . Lovely blue, musk-scented flowers. 3 ft.....		.15
Cardinal . Orange scarlet. 2 ft.....		.15
Hybrids, Mixed . Choice varieties.....		.10
Elatum hybridum . Finest double mixed..		.20

DIANTHUS (Pinks)

Flower freely from seed the first year; bloom is more profuse the second year. H. B. 1-1 $\frac{1}{4}$ ft.

White Frills. A magnificent white flower Pkt. with deep, lacinated petals.....\$0.10

Chinensis (China or Indian Pink). Double mixed.....Oz. 25c. .05

Wonderful. A finely fringed Japanese Pink of wonderful beauty. The plants produce their large flowers of 3 to 4 in. in diameter on stiff, upright stems. The petals are deeply cut and the color in all shades from white to rose and deep purplish red..... .10

Plumarius (Scotch, Clove, or Grass Pink). The flowers are delicately fringed, variously colored and delightfully fragrant. H. P.... .05

Plumarius, Double Mixed (Pheasant's Eye Pink). Large flowers with fringed edges and zones in various colors..... .10

Heddewegii Fireball. Double scarlet..... .10

Semperflorens (Perpetual Pink). Double, semi-double and single, of various colors... .10

DICTAMNUS fraxinella, Red (Gas Plant). Ornamental, hardy perennial, foliage has a lemon odor. 3 ft..... .10

DIGITALIS (Foxglove)

The spikes of bloom are produced in abundance and make a brilliant display among shrubbery. H. P. 3-4 ft. Pkt.

Purple. The best known.....\$0.05

White. Very pretty and attractive..... .05

Rose. A very fine shade..... .05

Yellow. Long spikes of bell-shaped flowers.. .05

Mixed. All colors..... $\frac{1}{4}$ oz. 15c. .05

Gloxiniæflora. {Purple, white and rose. Each. .05

Mixed. This strain has long spikes bearing Gloxinia-like flowers..... $\frac{1}{4}$ oz. 20c. .05

Maculata superba. Splendid, spotted strain. .10

Monstrosa. Splendid mixed. 4 ft..... .10



Digitalis (Foxglove)

DIMORPHOTHECA aurantiaca (African Pkt.

Gold Daisy). Covered with flowers 2 to 3 in. across, of a rich, dark, golden-yellow color, with a handsome black disc. A very desirable plant for pots, borders or edging. H. A. 1 ft.....\$0.10

aurantiaca hybrids. New selected Hybrids in a splendid mixture. H. A..... .15

DOLICHOS (Hyacinth Bean). A rapid grower, flowering freely in erect racemes, followed by ornamental silvery seed pods. H. H. A. C. 10 ft.

Daylight. Bold spikes of pure white flowers, resembling the Sweet Pea in shape... Oz. 20c. .05

Lablab. Purple.....Oz. 20c. .05

Mixed colors..... .05

DORONICUM Caucasicum. Large yellow flower, blooming very early. H. P. 2 ft... .20

ERYSIMUM Perowskianum. Orange colored hardy annual, on style of Wall-flower. 1-1 $\frac{1}{2}$ ft..... .05

ESCHSCHOLTZIA (California Poppy)

Cheerful blooms and finely cut foliage. Sow where the plants are to remain. H. A. 12-18 in. Pkt.

Thorburni. Coppery orange.....\$0.10

Golden West. Bright yellow, orange base... .05

Carmine King. Carmine rose..... .10

Californica. Rich yellow..... .05

Mixed. Handsome colors.....Oz. 25c. .05

EULALIA JAPONICA ZEBRINA (Zebra Grass). Forms handsome clumps that greatly add to the appearance of any grounds. H. P. 6 ft..... .10

EUPHORBIA. Suitable for beds or mixed borders. H. A. 2-3 ft.

Variegata (Snow on the Mountain). Foliage veined and margined with white... .05

Heterophylla (Annual Poinsettia, Mexican Fire Plant, Painted Leaf, Fire on the Mountain). Glossy green leaves; flowers beautiful orange scarlet..... .10

EVERLASTING FLOWERS

Straw-like flowers that retain their form and color for years, if cut when just in bud and hung head downward to dry. Used in Winter bouquets. H. A. Pkt.

Acroclinium. Mixed, 1 ft.....\$0.05

Globe Amaranth (Bachelor's Button). 1 ft. Mixed colors..... .05

Helichrysum (Straw Flower). Mixed colors. 2 ft..... .05

Rhodanthe. Mixed colors. 1 ft..... .05

Xeranthemum. Mixed colors. 1 ft..... .05

Mixed. All the above..... .05

All the flower seeds sent me last spring were very fine, the Sweet Peas lasting until the end of September. The Nasturtiums and Cosmos, too, were very satisfactory, furnishing a wealth of flowers until frost.

GRACE McINTYRE, Marple, England.

EVERLASTING PEA (Hardy Sweet Pea, Pkt.

Lathyrus). While these have not the fragrance of the Sweet Pea, they bloom through a long season. H. P. 6-8 ft.

Splendens (Pride of California). Large pale, rose-colored flowers.....\$0.10

Mixed. All colors.....Oz. 25c. .05

EVENING PRIMROSE. The yellow or white flowers open at sunset. Easy to grow. H. A. 6-8 in. **Mixed**......05

FERNS. Sow seed in fine sifted sand and peaty loam, covering the pans with pieces of glass. Place in a shaded position and do not allow them to dry out. Seed slow to germinate. G. P. 6-24 in.

Extra Choice Mixed......20

FEVERFEW (Matricaria). Does well in almost any soil. H. A. 2 ft.

Double White......05

FUCHSIA. Blooms the first year from seed if planted early. G. P. 8-12 in.

Choice Hybrids. Single and double mixed. .20

GAILLARDIA

One of the most valuable annuals for cut flowers H. A. 15 in.

Lorenziana. Flowers double, round as a Pkt. ball, of the most varied colors.....\$0.05

salmonea. Salmon-red......10

Grandiflora compacta. A compact-growing variety, forming bushy plants. In coloring, the flowers are rich and varied. H. P. 12-15 in......10

maxima. Golden-yellow flower. H. P. 2½ ft......10

GENTIANA Acaulis. Showy, hardy perennial, valued for its beautiful, intense blue flowers. 2 ft......10



Geum atrosanguineum

GERANIUM

Grow readily from seed and produce plants that bloom the first season. G. P. 10-18 in. Pkt.

Zonale. Seed saved from finest sorts.....\$0.10

Lady Washington (Pansy Geranium). Finest mixed......25

Apple Scented. The leaves have a decided fragrance......20

Double Mixed. Seed from double-flowering varieties only, although a percentage will produce single flowers; all will be excellent.. .25

Fine Mixed. All sorts......15

GEUM atrosanguineum fl. pl. A pretty, hardy perennial, producing excellent double crimson flowers. 1½ ft......10

GILIA. Flowers freely all Summer; fine for massing. Mixed. H. A. 6-10 in......05

GLADIOLUS. Seed sown early will produce bulbs that will flower the first season. In the Fall take up, dry off and store away for next year's planting. See index for Gladiolus bulbs—which when planted in masses in separate colors are simply magnificent. H. H. P. 3-4 ft.

Large-Flowering. Mixed colors......10

GLOXINIA. Magnificent house plants. Heat and shade are required to obtain best results. Brilliantly colored, bell-shaped flowers. G. P. 12 in.

Hybrids, Mixed......25

GODETIA (Satin Flower). Dwarf, spreading habit of growth, flowers numerous and handsome. H. A. 8-12 in.

Extra Fine Mixed.....Oz. 25c. .05

GOLDEN ROD (Solidago). Golden-yellow flowers in panicle form. H. P. 3-5 ft.... .05

GOLDEN GLOW. Attractive and compact growing plants, producing numerous golden yellow flowers. H. P. 6-8 ft......10

GOURDS (Ornamental)

A large and interesting class, producing a great variety of curious fruits, many of which are peculiarly marked. A. C. 10-15 ft. Pkt.

Bottle. A good sort.....\$0.05

Dipper. Makes an excellent dipper..Oz. 25c. .05

Nest Egg. White, egg-like fruits......05

Gooseberry. Smallest fruits......05

Hercules' Club. 4 to 6 ft. long; white......05

Orange, or True Mock Orange......05

Dish Cloth. Inside used as a sponge......05

Pear. Green, white striped......05

Small Ornamental Sorts. Mixed..Oz. 20c. .05

Large Ornamental Sorts. Mixed..Oz. 15c. .05

Mixed. All kinds.....Oz. 25c. .05

GYNERIUM argenteum (Pampas Grass). Has beautiful plumes that are largely used for decorative purposes. H. P. 6 ft......10

GYPSOPHILA. An excellent flower for Pkt. shrubbery or rockwork. H. A.

White, Rose......Each \$0.05

Paniculata (Baby's Breath). White.

H. P.10

HELIANTHEMUM (Sun, or Rock Rose).

For rockeries; completely covered with the variously colored flowers. H. P. 4-8 in.05

HELIOTROPE

These well-known greenhouse and bedding favorites are highly esteemed for their fragrant flowers. G. P. 18-24 in.

Lemoine's Hybrids. This bears the most Pkt. magnificent heads of flowers, many being at least a foot across, of the most lovely hues of purple and violet. \$0.10

Fine Mixed. From a large collection.05

HIBISCUS. Easily grown from seed. Bears immense saucer-shaped flowers, at least 7 in. across. H. P. 4-5 ft.

Crimson Eye. White, with crimson center. .10

HOLLYHOCK

These are unexcelled for planting along buildings or fences, where a background of gorgeous flowers is desired. If sown indoors will bloom the first season. Sow outdoors in April or June for next year's bloom. H. P. 5-6 ft. Pkt.

Double White......\$0.10

Double Pink...... .10

Double Salmon Rose...... .10

Double Scarlet...... .10

Double Yellow...... .10

Double Maroon...... .10

Noll's Selected Double Mixed.... ¼ oz. 40c. .10

Allegheny Fringed. The flowers are either double or semi-double and almost all the petals are beautifully fringed.10

ANNUAL HOLLYHOCKS

Plants from seed, sown under glass, in March, will produce flowers in July and continue until frost. Pkt.

Single Mixed......\$0.10

Double Mixed...... .10

HONESTY (*Lunaria biennis*). Flowers purple or white. The silvery seed pods are used as house ornaments. H. B. 2 ft.05

HOP, Japanese Variegated (*Humulus*). There is no hardier vine than this. Resists drought, and insects never bother it. The foliage is beautifully variegated, splashed and streaked with white. T. A. 15-20 ft.10

HUNNEMANNIA (Giant Yellow Tulip Poppy). Grows into a branched plant that covers the ground with a net-like ornamental foliage. Flowers are large, cup-shaped, 3-in. across, produced on stems 12 in. long; color bright, clear yellow. H. A. 18 in. ¼ oz. 20c.05

ICE PLANT (*Mesembryanthemum*). Flowers frosted or wax-like. Leaves of great substance. Excellent for hanging baskets or rockwork. T. A. 6 in.05



Hollyhock, Single Annual

IMPATIENS (French Lady's Slipper. Zanzibar Balsam). Blooms entire Summer and Winter. Easily grown. T. P. 18-24 in.

Sultana Hybrids. Brilliant, waxy rose pink flowers; continually in bloom. \$0.10

INULA Glandulosa grandiflora. Splendid hardy perennial with large orange-yellow flowers. 2 ft.20

IPOMOEA

Quick, luxuriant growth. The large, thick shell should have a notch filed in the seed, and be soaked in warm water before planting. H. A. 15-25 ft.

Giant White Moonflower. The large, pure Pkt. white flowers are sweet scented and entirely cover the vine from base to summit. Plant indoors, one inch deep; keep damp in a warm place; when up, plant outdoors in a sunny position, after all danger from frost is past. ½ oz. 40c. \$0.10

Setosa (Brazilian Morning Glory). Rose-colored flowers, pink star centers. 10-20 ft.05

Bona-nox (Good-night, or Evening Glory). Large, blue flowers, open in the evening. 15 ft. Oz. 75. .10

- IPOMOPSIS elegans Mixed.** Showy and beautiful biennials; flowers very bright in color. 2 ft. Pkt. \$0.10
- IRIS, JAPANESE** (Flag, Fleur-de-Lis). Showy plants, used extensively in the hardy border. Flowers are enormous. H. P. 2-3 ft. Mixed. ¼ oz. 25c. .10
- JERUSALEM CHERRY** (Solanum). A useful pot plant, largely in use for Winter decorations. The bright scarlet berries are very ornamental and are produced in great abundance. G. P. 18-24 in.10
- JOB'S TEARS** (Coix lachryma). Corn-like leaves and hard seeds of peculiar appearance. H. A. 1½ ft. Oz. 10c. .05
- KAULFUSSIA.** Used for edging and bedding, for which it is in great demand. H. A. 1 ft. Mixed colors. ¼ oz. 20c. .05
- KOCHIA TRICOPHYLLA** (Burning Bush, Belvidere, Summer Cypress or Mexican Fire Plant). A rapid-growing plant of oval shape, foliage green, turning red in Autumn; very ornamental when used as a hedge or background. H. A. 3 ft. ¼ oz. 25c. .10



Liatris pycnostachya

- KUDZU VINE, JAPANESE** (Jack and the Bean Stalk). This is decidedly the strongest growing climber that ever was introduced from Japan, the land noted for its curious flowers and plants. The leaves are bold in form, of brightest green and overlap each other so as to form a dense screen. H. P. 25-50 ft. Pkt. \$0.10
- LANTANA.** For ribbon gardening or bedding nothing can equal this in beauty of flowers and compact growth of plant. H. H. P. 10-20 in.
- Dwarf Bedding Hybrids.** The flower is large, and resembles a Verbena in shape. .10
- Choice Mixed Hybrids.**05

LARKSPUR

There is a wide range of color in these profuse bloomers and ornamental showy annuals. They bloom best in a rather cool, moist soil. H. A. 1-2 ft.

- Emperor Branching.** White. Pkt. \$0.10
- Emperor Branching.** Rose.10
- Emperor Branching.** Azure blue.10
- Emperor Branching.** Mixed. ½ oz. 30c. .05
- Cardiopetalum.** Fine blue.10
- Tall Stock-flowered Mixed.**10
- Finest Mixed.** ½ oz. 15c., oz. 25c. .05
- LAVATERA** (Annual Mallow). Best used as backgrounds for dwarfer plants. H. A. 2 ft.
- Variegata.** Large leaves, mottled yellow, very decorative.10
- Mixed.** All varieties.05
- LEMON VERBENA** (Aloysia). Grown for the delightful citron fragrance of the light green leaves. Flowers white, borne on long stems. G. P. 1 ft.10
- LEONTOPODIUM Alpinum** (Edelweiss). Pretty hardy perennial from the Alps; with pure white flowers. 6 in.10
- LEPTOSIPHON.** A hardy annual; blooms in masses. 1 ft.
- Densiflorus albus.** White.10
- Densiflorus.** Blue.10
- LEPTOSYNE Stillmanii.** Half-hardy annual, with yellow Marguerite-like flowers. 1-2 ft.10
- LIATRIS pycnostachya.** Showy plants with large spikes of purple flowers. H. P. 4 ft. .10
- LIMNANTHES Douglasii.** A vigorous, dwarf-growing plant with fragrant yellow and white flowers. 1 ft.10
- LINARIA Cymbalaria** (Kenilworth Ivy). Trailer, with small, purple or lavender flowers; used for hanging baskets, rockeries or vases. H. P. 1-3 ft.10
- Fine Mixed Hybrids.** Snapdragon-shaped flowers, very desirable for edging and rockwork. H. A. 12 in.05
- LINUM** (Scarlet Flax). An excellent and effective, showy bedding plant that is in bloom the entire season. H. H. A. 2 ft.05

LOBELIA

For beds, edging or pot culture there is nothing better. Blooms very quickly from seed and continues through the season. H. A. 8-15 in. Pkt.

- White Gem.** Fine, pure white flowers.....\$0.10
Oculata. Dark blue, white eye......10
Gracilis. Blue, trailing; excellent for baskets. .05
Crystal Palace compacta. Dark blue. Fine for bedding. 6 in......10
Mixed. Best annual sorts......05
Cardinalis (Cardinal Flower). Fine border plant, brilliant scarlet flowers. H. P. 3 ft.. .10

- LUPINUS.** Ornamental and free-flowering annuals. Long, graceful racemes of rich and various colored Pea-shaped flowers. H. A. 1-3 ft. Mixed......05
Polyphyllum Mixed. (Perennial). 3-4 ft.. .05

- LYCHNIS.** Blooms year after year; requires no protection. H. P. 1-2 ft.
Chalcedonica. Scarlet flowers......05
Haageana Hybrids. Mixed......05

- MALOPE.** Very pretty, free-flowering, mal-low-like flowers. H. A. 2-3 ft.
Grandiflora alba......05
Grandiflora purpurea......05

- MALVA.** Handsome garden plants that bloom all Summer. H. P. 2 ft.
Moschata alba......10
Moschata rose......10

MARIGOLD

Old favorites of easy culture. Effective when planted in groups or in garden borders. H. A.

AFRICAN, OR TALL VARIETIES Pkt.

- Lemon Queen.** Double lemon. 2 ft. ½ oz. 25c. \$0.05
Prince of Orange. Double orange. 2 ft. ½ oz. 25c. .05
African Tall Mixed. 2 ft.....Oz. 20c. .05

FRENCH, OR DWARF VARIETIES

These dwarf, compact varieties are all attractive, being covered with hundreds of small flowers.

- Gold Striped.** Velvety maroon, striped Pkt. gold. 8-10 in.....Oz. 20c. \$0.05
Silver King. Velvety brown, surrounded by pale lemon. 8-10 in.....½ oz. 20c. .05
Legion of Honor (Little Brownie). Single golden yellow, red markings.....Oz. 60c. .10
French Dwarf Mixed......½ oz. 25c. .05

- MARVEL OF PERU (Four-O'Clock).** Called Four O'Clock because they open their blossoms at that hour in the afternoon. H. A.

- Tom Thumb, Mixed.** 2 ft.....Oz. 15c. .05
Hybrids, Mixed. 2 ft.....Oz. 15c. .05

- MATHIOLA (Night Smelling Stock).** Lovely lilac-pink flowers. Fragrant at night and after showers. H. A. 15 in......05

- MEXICAN PRIMROSE.** Large, beautiful, pink flower, with a distinct white center. In bloom almost all the time. Of easy culture. T. A. 10 in......05



Malope grandiflora alba

MIGNONETTE

Seed of this popular annual can be sown at any time. If successions are made, these modest-colored, fragrant plants blossom outdoors until November. H. H. A. 12-24 in. Pkt.

- Paris Market.** Red flowered.....\$0.10
Machet. Large spikes, reddish-tinted. Oz. 35c. .10

- Goliath.** Enormous trusses of double red flowers, measuring about 8 in. long by 2 in. or more in diameter......10

- Bismarck.** This is an improvement over the Machet variety......10

- Allen's Defiance.** An excellent variety for cutting.....Oz. 50c. .10

- Large-flowering (Reseda odorata grandiflora).** Fine for open ground.....Oz. 25c. .05

- MIMOSA pudica (Sensitive Plant).** Curious and interesting. The leaves close and droop when touched or shaken. Flowers pinkish white. T. A. 18 in......05

- MIMULUS.** Thrives best in a rather moist situation, bearing odd-shaped flowers. H. A. 6-12 in.

- Moschatus (Musk Plant).** Flowers yellow. .05

- Tigridus (Monkey Flower).** Very showy blotched flowers. A profuse bloomer.... .05

- MOMORDICA (Balsam Apple).** Curious warted fruit of golden yellow color, which opens when ripe. T. A. C. 10 ft.

- Balsamina.** Apple shaped......05
 ½ oz. 15c., oz. 25c.

- Charantia.** Long, pear-shaped fruit......05
 ½ oz. 15c., oz. 25c.

- Mixed.**.....½ oz. 15c., oz. 25c. .05



Nasturtiums

MORNING GLORY. This is too well-known Pkt.
to need a lengthy description, and one
seldom finds a more satisfactory vine.
H. A. C. 10-20 ft.

Imperial Japanese (Single Mixed). Oz. 30c. \$0.05

Finest Double Mixed. While producing
flowers of great beauty and substance,
all the blooms will not be double.10

MYOSOTIS (Forget-Me-Not)

Succeeds best in a moist, shaded position. Have
soil moderately rich. H. H. P. 6-10 in. Pkt.

Victoria. Blue with yellow centers. \$0.10

Semperflorens. Fine for pots.10

Palustris. The true Forget-Me-Not.05

Ruth Fischer. Lovely blue.20

Alpestris. A pretty trailer

Blue, White, Rose. Each .10

Mixed.05

NEMOPHILA (Love Grove). Bears pretty

bright flowers and is very easy to grow.

H. A. 1 ft.05

NICOTIANA (Sweet-scented Tobacco Plant).

Produces a great number of fragrant

flowers. H. H. A. 3 ft.05

Affinis. Large, pure white flowers.10

Affinis Hybrids. Mixed colors10

NIEREMBERGIA gracilis. Pretty cup-

shaped lilac and white flowers. H. H. A. 1 ft. .10

NIGELLA (Love-in-a-Mist, or Devil-in-a

Bush). Compact growth, free-flowering

plant. H. A. 12-18 in.10

Miss Jekyll. Color pure Cornflower blue . .05

Double White, Mixed. Each .05

NOLANA Very showy plants. H. A. 1 ft.

Atriplicifolia. Blue.05

Grandiflora alba.05

NYCTERINIA Capensis. White. Fine for

borders. H. H. A. 9 in.10

NASTURTIIUM

TALL, or CLIMBING

During the three or four months of the season
make a better display of brilliant blossoms than al-
most any other plant. The tall sorts are well
adapted for covering unsightly railings and to trail
over rough ground. The dwarf or Tom Thumb
sorts are excellent for bedding or borders. H. A.

Atropurpureum. Crimson. \$0.15 Pkt. \$0.05

Coccineum. Scarlet.15 .05

Golden-Leaved. Scarlet, yellow fo-

liage.15 .05

Hemisphaericum. Orange.15 .05

King Theodore. Crimson, blue foliage .15 .05

Pearl. Creamy white.15 .05

Prince Henry. Light yellow, marbled

scarlet.15 .05

Schulzi. Scarlet, very dark foliage. . .15 .05

Vesuvius. Salmon, blue foliage. . . .15 .05

Jupiter. Deep golden yellow.15 .05

Noll's Tall Superb Large-Flowered.

Mixed. The large flowers have a

wonderful range of color and exqui-

site markings of great richness. . . .

$\frac{1}{4}$ lb. 50c., lb. \$1.50 .20 .10

Tall Choice Mixed. Contains a very

good mixture of all colors.

$\frac{1}{4}$ lb. 30c., lb. \$1.00 .10 .05

Tall Variegated, Mixed.25 .05

TOM THUMB, or BEDDING

Aurora. Rosy salmon, blotched garnet. \$0.15 Pkt. \$0.05

Beauty. Yellow and scarlet.15 .05

Bronze. Coppery bronze.15 .05

Chamaeleon. Crimson and yellow. . .15 .05

Coccineum. Light scarlet.15 .05

Cloth of Gold. Scarlet, yellow foliage. .15 .05

Crystal Palace Gem. Sulphur, spot-

ted maroon.15 .05

Empress of India. Dark crimson,

blue foliage.15 .05

Golden King. Golden maroon

blotches.15 .05

Golden Queen. Yellow foliage.15 .05

King of Tom Thumbs. Dark scar-

let, dark leaves.15 .05

King Theodore. Garnet, blue foliage .15 .05

Lady Bird. Orange, spotted red. . . .15 .05

Luteum. Clear yellow.15 .05

Pearl. Creamy white.15 .05

Prince Henry. Yellow, marbled scar-

let.15 .05

Regelianum. Purplish violet.15 .05

Ruby King. Ruby red.15 .05

Vesuvius. Salmon, bluish foliage. . .15 .05

Noll's Tom Thumb, Superb Large-

Flowered. These have the same mix-

ture of colors as the tall superb mix-

ture. $\frac{1}{4}$ lb. 50c., lb. \$1.50 .20 .10

Tom Thumb, Choice Mixed. All the

best dwarf sorts. . . $\frac{1}{4}$ lb. 30c., lb. \$1.00 .10 .05

Dwarf Variegated, Mixed.25 .05

ORNAMENTAL GRASSES. A fine

assortment of Ornamental Grasses.

H. P. 2-7 ft. Mixed.10

OXALIS. Free-flowering little plants

with beautiful bright flowers. Fine

for hanging baskets or vases. T. P.

6 in. Mixed.10



Pansy, Noll's Non-Plus Ultra

Noll's Pansies (Heart's-ease)

When grown from seed sown in the early Autumn larger plants are made, which produce larger flowers the following Spring than when grown from Spring-sown seed. For best results, sow in open ground during August, setting to permanent location in September and large plants will be formed before frost. Place dry leaves, loose straw or salt hay over the plants about 3 inches deep during the last of November; this will induce a robust growth and make splendid early-flowering plants. H. A. 5-10 in.

NOLL'S NON-PLUS ULTRA

This is a carefully prepared mixture of the best varieties obtained abroad, including all the solid colors, striped and blotched. We have exercised great care in preparing this strain and are confident it cannot fail to give the utmost satisfaction. $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.00, 1 oz. \$7.50, pkt. 20c.

GIANT ADONIS. A magnificent, large Pkt. flower, light blue, with white center.... \$0.10

GIANT FIRE KING. Pure golden yellow, upper petals purple; a unique combination..... .10

GIANT DARK BLUE. A fine, dark blue color that is lasting..... .10

GIANT LORD BEACONSFIELD. Lavender, heliotrope and purple..... .10

GIANT FREYA. Large flower of deep, dark purple, each petal with a distinct silver edge..... .10

GIANT GOLDEN QUEEN. Exquisite velvety texture. Bold flowers of pure, golden yellow..... .10

GIANT INDIGO BLUE. Of immense size and of rich, velvety plush effect..... .10

GIANT KING OF THE BLACKS. Lustrous, jet black. Large flower..... .10

GIANT PEACOCK. Rich garnet, cream and ultramarine blue, with borders or margins of white, producing an odd effect.... .10

GIANT MAUVE QUEEN. Fine shade of mauve..... .10

GIANT PURPLE KING. Deep, royal Pkt. purple..... \$0.10

GIANT RUBY. A large-flowering variety with many superb shades of rich red.... .10

GIANT SNOWFLAKE. Pure, snow white... .10

GIANT STRIPED. White, blue and violet; very striking..... .10

GIANT TRIMARDEAU. Enormous flowers in various colors and shades. Finest mixed..... $\frac{1}{4}$ oz. 75c. .10

Bugnot's Superb Blotched. Large flowers, with broad blotches..... .20

Madame Perret. Fine wine shades on white ground..... .10

Masterpiece. Superb class of blotched Pansies, with large blooms..... .10

Odier, or Blotched. Very fine strain of blotched Pansies..... .20

Cassier. Large-flowered, blotched..... .15

Extra Large-flowered, Fine Mixed. A mixture of large-flowered varieties $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 75c., oz. \$2.50 .10

Choice Mixed. A superior mixture of choice European varieties..... .05

NOLL'S IMPROVED TUFTED PANSY. Flowers with distinct faces, blooming long, having a delightful fragrance. Planted in a light, rich soil and moist situation, they will bloom the entire Summer..... .10

- PASSIFLORA cærulea** (Passion Flower). Pkt.
A very interesting climber. Flowers are
blue and white. H. H. P. \$0.10
- PENTSTEMON.** Free-flowering plants; fine
for beds or borders. H. P. 2 ft.
- Hartwegii grandiflora.** Blue.10
- Hartwegii grandiflora.** Mixed.10

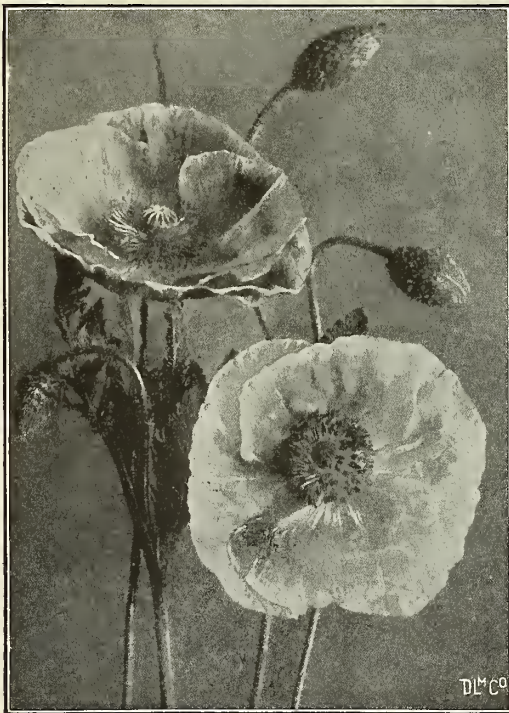
PETUNIA

There is no flower more highly prized for use in
beds, massing, borders, window-boxes, baskets and
vases. Succeeds in almost any soil and is in bloom
the entire Summer. Sow thinly and do not cover
seed to a depth of more than four times their size.
H. H. A. 1-2 ft.

- Noll's Double Prize Giant.** A superior Pkt.
mixture of all the double and fringed, large-
flowering Petunias. About 30 per cent.
will bear double flowers. \$0.25
- Mammoth Fringed.** The flowers are ex-
quisitely ruffled or fringed.20
- California Yellow Throated.** Large flower,
with finely shaded, yellow throat.20

SINGLE BEDDING VARIETIES

- White, Red, Rose.** Each .05
- Howard Star.** Deep crimson, with a distinct
white star in center.10
- Venosa.** Various colored, beautifully
veined. ¼ oz. 20c. .05
- Hybrida, Single Mixed.** ¼ oz. 20c. .05



Shirley Poppy

PHLOX DRUMMONDII (Flame Flower)

Dazzling in effect, more so when borders or masses
are sown with contrasting harmonizing colors. Few
colors are beyond their range. Sow as soon as frost
is out of ground in early Spring, later sowings in
June. H. A. 1 ft.

GRANDIFLORA

These varieties are far superior to those ordinarily
sold. The flowers are larger than the older sorts.

- Pkt.
- Atropurpurea.** Dark purple. \$0.10
- Coccinea.** Large, brilliant scarlet.10
- Rosea.** A soft shade of rose.10
- Alba.** Large, pure white.10
- Kermesina splendens.** Vivid crimson.10
- Isabellina.** Pure yellow.10
- Mixed.** ½ oz. 30c. .05
- Hortensiaflora Scarlet.** Blooms the entire
Summer. 6-8 in.10
- Hortensiaflora.** Mixed, ¼ oz. 30c., oz. \$1.00 .10
- Grandiflora nana compacta.** These varie-
ties are especially useful for beds, borders
or pots. 6-8 in. Rose, Scarlet, White,
Mixed Each .10
- Cuspidata** (Star of Quedlinburg). Star-
shaped flowers of many colors.10
- PHLOX, HARDY PRENNIAL.**
- Large-flowered Hybrids, Mixed.** 3 ft.10
- Dwarf, Mixed.** 1½ ft.10
- PLATYCODON.** Very fine flowering plants.
H. P. 2 ft.
- Grandiflorum Blue, White.** Each 10.

Poppy

Flowers grow to an enormous size, from 6 to 7 in.
in diameter. Colors are rich and varied. 2 ft.

HARDY ANNUAL

- Pkt.
- Double Bright Rose.** \$0.05
- Double White.**05
- Double Scarlet.**05
- Double Peony-flowered, Mixed.** Many
fine colors. ½ oz. 15c., oz. 25c. .05
- Carnation-flowered, Mixed.** Oz. 25c. .05
- Mikado** (The Striped Japanese Poppy).
Brilliant scarlet and white.05
- Shirley** (Silk, or Ghost Poppy).05
- Danish Cross** (Danebrog.) Large, single
scarlet, with white cross at base of petals.05
- Mephisto.** Beautifully fringed; varies from
red and black to rose and white.05
- Glaucum** (Tulip Poppy). Scarlet.05
- Miss Sherwood.** Satiny white, upper half of
petals chamois rose. Oz. 40c. .05
- Single Mixed.** Oz. 25c. .05

HARDY PERENNIAL

- Pkt.
- Large flowered and showy.** 2-4 ft. \$0.10
- New Oriental Hybrids.** \$0.10
- Orientele.** Fiery scarlet.05
- Nudicaule** (Iceland Poppy)... One of the
most attractive varieties. 1 ft.
- Double Mixed Iceland.**10
- Single Mixed Iceland.**10

PORTULACA (Rose Moss)

Brilliant-flowered plants of low growth, that will flourish under all conditions, though a sunny position and light, sandy soil suit it best. For beds, borders, among rockeries or under taller-growing plants it will carpet the ground with an amazing mass of foliage that is completely covered with the gorgeous flowers in the most brilliant colors. Of easiest culture, require very little care; however, do not sow seed until hot weather. H. A. 6 in.

SINGLE VARIETIES

	Pkt.
White, Scarlet, Yellow, Rose.....Each	\$0.05
Mixed..... $\frac{1}{4}$ oz. 20c.	.05

DOUBLE VARIETIES

White, Scarlet, Yellow, Rose.....Each	.10
Mixed..... $\frac{1}{8}$ oz. 25c.	.10

POTENTILLA. Handsome and brilliant when in flower, foliage ornamental. H. P. 2 ft.

Single Mixed.....	.10
Double Mixed.....	.10

PRIMULA

Succeeds best in a moist, loamy soil, partially protected from the hot sun. H. P. 6-12 in. Pkt.

Auricula. Many rich colors.....	\$0.10
Japonica (Japanese Primrose). Mixed....	.10
Forbesii (Baby Primrose). Pleasant shade of rose, with a yellow eye. Fine for cutting.	.10



Primula stellata

PRIMULA—Continued

Obconica. Early to bloom from Spring-sown seed, continues through the entire season. Mixed colors.....	Pkt. \$0.10
Officinalis Hybrids (Cowslip Mixed). H. P. 6 in.....	.10
Vulgaris (English Primrose). Flowers canary yellow and very fragrant.....	.10
Polyanthus. Single mixed.....	.10
Chinensis (Chinese Primrose). These handsome house or conservatory plants have a long blooming period and the cut flowers make a valuable table decoration, keeping fresh in water for several days. Flowers are cut and fringed. G. P. 8-12 in.	
White, Crimson, Blue.....Each	.25
Finest Mixed.....	.20
Malacoides. An excellent variety of Primula, blooms in four months from seed.	
Lilac, White.....Each	.20
Stellata. Beautiful star-shape flowers. Finest Mixed.....	.25
PURPLE FEATHER GRASS. Graceful, narrow leaves topped with handsome feathery plumes over a foot long from July until cut down by frost. A beautiful foliage plant. H. A. 1 $\frac{1}{2}$ -3 ft.....	.10
PYRETHRUM. Single, Daisy-like flowers of bright colors. H. P. 2-3 ft.	
Atrosanguineum. Fine, dark scarlet....	.10
Single Mixed. Many colors.....	.05
Parthenifolium aureum (Golden Feather).	
Pure Yellow. H. P. 6 in.....	.10

RICINUS (Castor Oil Plant)

Largely used to give the lawn a sub-tropical effect or for centers of beds of foliage plants. H. H. A. 8-10 ft.

Cambodgensis. Maroon leaves, with red veins, stems black. 5 ft.....	Pkt. \$0.05
Borbonensis. Violet. 15 ft.....	.05
Gibsoni. Violet bronze. 5 ft.....	.05
Zanzibarensis Mixed. All the above and many other splendid varieties in mixture. 8-10 ft..... $\frac{1}{2}$ oz. 15c., oz. 25c.	.05
ROSE, BABY or FAIRY. This blooms in three months after sowing. Seeds sown in February in the house will bloom in June in the open ground, and continue throughout the season. Flowers mostly double, borne in clusters. H. P. 15 in.....	.10

SALPIGLOSSIS (Velvet Flower)

These showy, half-hardy annuals have beautiful funnel-shaped flowers, richly veined on a ground which varies from white, crimson, yellow, orange, etc. They are easily grown, requiring a light, rich, sandy soil. H. H. A. 2 ft. Pkt.

Grandiflora coccinea. Bright scarlet.....	\$0.10
Purpurea carminea. Purplish violet....	.10
Rosea. Rose shade.....	.10
Violacea aureo venosa. Lilac, veined on golden yellow.....	.10
Emperor (Mixed). This mixture is produced from the finest strains. $\frac{1}{8}$ oz. 25c.	.10
Fine Mixed. Large-flowered sorts..... $\frac{1}{8}$ oz. 15c.	.05



Scabiosa

SALVIA (Scarlet Sage)

- Well-known bedding plants which carry hundreds of long, flaming flower spikes open at one time, keeping up the magnificent display until frost. H. A. 18-36 in. Pkt.
- Early Dwarf Zurich.** Scarlet. 12 to 15 in. \$0.20
- Splendens.** Large-flowering scarlet Sage. 3 ft. 1/8 oz. 30c. .10
- Splendens. Bonfire.** The most profuse bloomer of all; plant is densely covered with flaming scarlet flowers. 2 1/2 ft. 1/8 oz. 50c. .10
- Splendens, Silver Spot.** Green leaves, spotted creamy white; scarlet flowers. 1/8 oz. 50c. .10
- Farinacea (Silver Sage).** The light blue flowers are borne high above the foliage. .10
- Patens (Blue Salvia).** Erect spikes, rich, blue flowers. T. P. .10
- SANVITALIA procumbens fl. pl.** Beautiful dwarf-growing plants, with double yellow flowers. H. A. 6 in. .05
- SAPONARIA Calabrica.** Pretty, dwarf bedding plants with red flowers. H. A. 1 ft. .05
- SAXIFRAGA, Mixed.** Interesting little plants; excellent for borders. H. P. 9 in. .10

SCABIOSA

(Pincushion Flower, Mourning Bride)

- A desirable border plant, with handsome flowers that are exceptionally fine for cutting, lasting for a long time. H. A. 2-3 ft. Pkt.
- Minor aurea fl. pl.** Beautiful golden yellow. \$0.05
- Black Purple.** .05
- Candidissima.** Double; pure white. .05
- Double Rose.** .05
- Japonica.** Lavender blue; fine for cutting. .10
- Double Mixed.** All colors. 1/4 oz. 20c. .05
- Caucasica.** Beautiful soft lavender. H. P. .10

- SENECIO, Double Mixed.** Free flowering Pkt. plants of easy culture. H. A. 1-1 1/2 ft. . \$0.05
- SEDUM Acre.** Green foliage, yellow flowers; excellent for covering graves. H. P. 4 in. .10
- SMILAX.** Deep, glossy green leaves; largely used by decorators and in bouquets. Soak seed 48 hours in warm water before planting. G. P. C. 6 ft. .10
- SPIDER PLANT.** A splendid honey plant, as beautiful as it is curious, as the flowers resemble giant spiders. H. A. 4-5 ft. .05
- STATICE, Mixed.** Fine for Winter bouquets H. P. 1 ft. .05
- STEVIA.** The leaves are largely used in bouquets on account of their delightful fragrance. Flowers flesh white, star shaped, and borne in large heads. G. P. 2 ft. .05

STOCKS

This is one of the finest flowers for bedding, borders or pot culture. They are unsurpassed for bouquets. To secure early flowers, start seed in window-boxes or under glass in March or April, and transplant to the open ground the middle of May. H. H. A. 1 1/2 to 2 ft.

DWARF GERMAN TEN-WEEKS

- This is one of the choicest strains and saved from the finest double varieties only.
- White, Bright Red, Canary Yellow, Rose, Light Blue, Violet, Carmine.** Each \$0.10 Pkt.
- Dwarf German, Ten-Weeks. Mixed.** .10
- Finest Mixed for Open Ground.** .05
- Cut-and-Come-Again.** Profuse and perpetual blooming. Double white. .10
- Winter, or Brompton Biennial, Mixed.** .10
- STOKESIA (Cornflower Aster).** Large flowers, resembling semi-double Asters. H. P. 2 ft.
- Cyanea Blue, White.** Each .10

SUNFLOWER (Helianthus)

- Stately decorative plants, with large heads of golden yellow flowers. H. A.
- Cucumerifolius, Orion.** A very handsome variety, with petals twisted. 3 ft. \$0.05 Pkt.
- Cucumerifolius.** Covered with small, single flowers, of bright orange color. 3 ft. .05
- Double Chrysanthemum-flowered.** Beautiful, golden yellow flowers. 6 ft. .05
- Dwarf Perkeo.** The flowers on extra long stems are 3 to 5 in. across, bright yellow with dark centers. 2-3 ft. .10
- Globosus fistulosus.** Immense flowers, 10 to 15 in. across; very double. 4 ft. Oz. 20c. .05
- Large Single Russian.** The old-fashioned Sunflower. 5 to 8 ft. Oz. 10c. .05
- Perennial Sorts, Mixed.** .05
- SWEET ROCKET (Hesperis).** Showy spikes of fragrant flowers. H. P. 2-3 ft.
- White, Purple, Mixed.** Each .05

SWEET PEAS

Culture.—Drill in rows 5 in. deep, cover about 2 in. As vines grow gradually fill trench with soil, and thin to 5 in. apart. For early flowers, sow in beginning of November, preferably in a dry situation, 6 or 8 in. deep, giving them level culture. Spring sowings just as soon as ground can be prepared. H. A. 5-7 ft.

SEPARATE VARIETIES OF SPENCER SWEET PEAS

The following list is made up of the most attractive sorts which are sure to give satisfaction.

Asta Ohn. Lavender tinted mauve. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$3.50.

Aurora. Orange, rose striped. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Beatrice. Mingling of blush, lemon and buff, wings pure white. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Black Knight. Shining deep maroon waved. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Countess Spencer. A lovely shade of pale pink, darker toward the edges. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Dainty. White, edged pale rose. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Dorothy. Rosy lilac, self colored. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Etta Dyke. Pure white waved. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

Florence Morse. White with pink edge. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Gaiety. Rose striped on white. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Geo. Herbert. Bright rosy carmine. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

King Edward. Rich carmine scarlet. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Mauve Queen. Bright mauve. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.



Asta Ohn Sweet Peas

Mrs. Routzahn. Apricot, suffused with pink, deepening toward the edges. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Othello. Rich deep maroon, waved. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Queen Victoria. Deep primrose, flushed rose. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

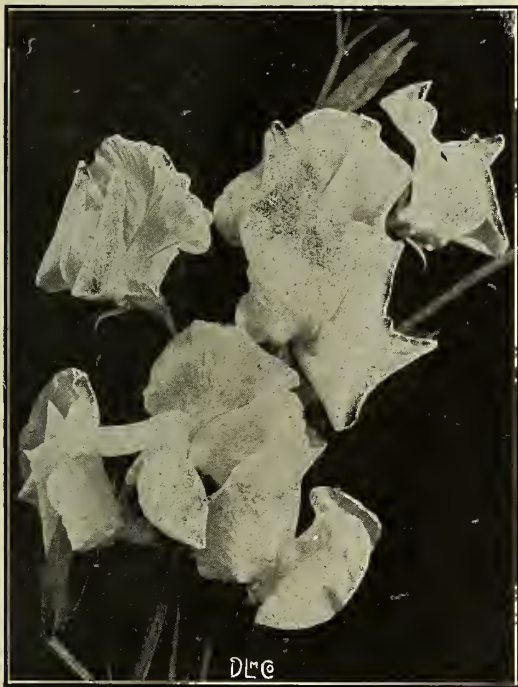
Senator. Claret or wine colored, striped and flaked on a light heliotrope ground. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 90c., lb. \$3.25.

Tennant. Purplish mauve, waved. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.10, lb. \$4.00.

White Spencer. Pure white, extra large waved flowers. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

NOLL'S SUPERB MIXTURE OF SPENCER SWEET PEAS

This mixture contains all the choice sorts of Spencer types. All colors are well represented; the flowers are large and bold, crumpled and waved, three to four on a stem. Very valuable for cutting. This mixture is exceptionally fine and every customer should not fail to plant some, as it will surely please. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.



Etta Dyke Sweet Peas



Salopian Sweet Pea

GRANDIFLORA TYPE OF SWEET PEAS

- Agnes Johnson.** Rose pink, shaded cream. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Aurora.** White ground, striped orange salmon. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Black Knight.** Deep maroon, self colored. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Blanche Burpee.** Superb, pure white, immense size. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Blanche Ferry.** Standard bright rose pink, wings creamy white. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.35.
- Capt. of the Blues.** Bright purple, pale blue wings. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Captivation.** Pure magenta, wings almost self colored. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Dainty.** White, edged pink. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Dorothy Eckford.** Pure white, large flowers. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Emily Henderson.** Splendid, pure white. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Flora Norton.** Beautiful, rich lavender. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Katherine Tracy.** Soft rosy pink, lighter at edges. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- King Edward VII.** Bright crimson self colored. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Modesty.** White, tinted pink. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Mrs. Eckford.** Primrose self colored. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Navy Blue.** Bluish purple standard, violet wings. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Othello.** Deep maroon, self colored. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Prince of Wales.** Rose crimson. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.
- Royal Rose.** Crimson pink, deepening at center. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

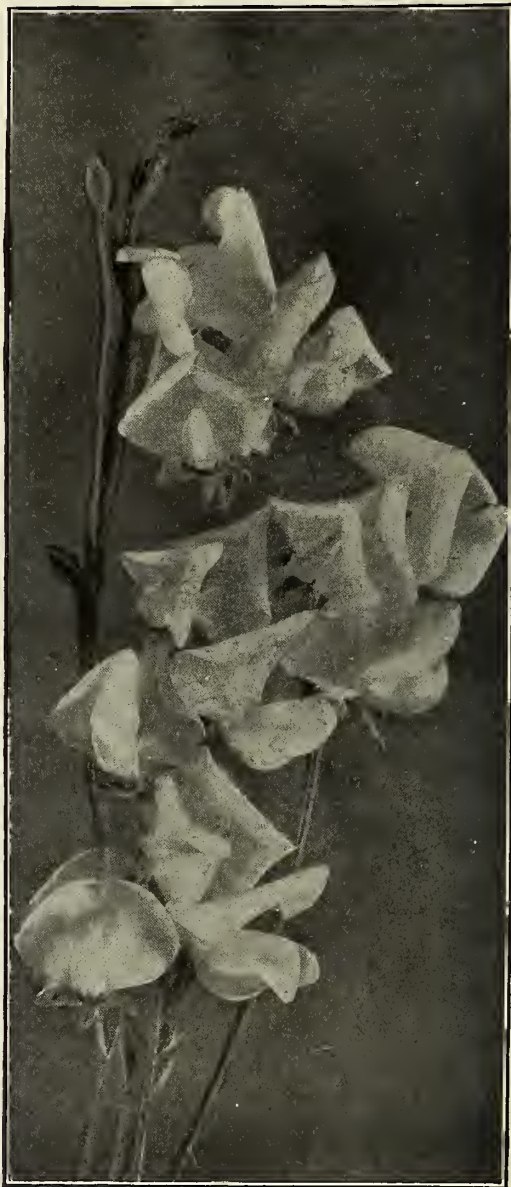
Salopian. Rich dark crimson. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Shahzada. Dull maroon, shaded purple. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

White Wonder. Double stemmed, pure white. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

NOLL'S SUPERB MIXTURE OF LARGE-FLOWERING SORTS

This mixture is produced from named Grandiflora types. The color is well graded, giving a large variety of color. We believe there is no better mixture on the market and we are sure it will please the most critical. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 90c.



White Wonder Sweet Pea

SWEET WILLIAM (Dianthus Barbatus)

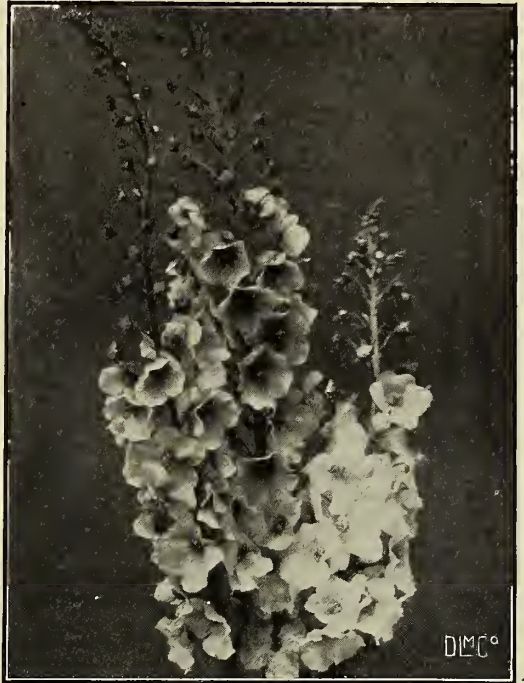
Old-fashioned plants; produce large heads of beautifully colored, sweet-scented flowers in great abundance. H. B. 18 in.

Single White, Crimson, Pink Beauty.	Pkt.
	Each \$0.05
Single Mixed. All colors.....	¼ oz. 15c. .05
Double White, Crimson, Rose.....	Each .10
Double Mixed. All colors.....	¼ oz. 25c. .10
Dwarf Double Mixed.....	.10
TORENIA Fournieri. Beautiful plants with sky-blue, purple spotted, yellow-throated flowers. T. A. 10 in.....	.20
TROLLIUS, Mixed. Free flowering Buttercup-like flowers. H. P. 1½-2 ft.....	.10
THUNBERGIA (Black-Eyed Susan). Very ornamental climbers. H. H. A. 5 ft.	
White. Black eye.....	.05
Orange. Black eye.....	.05
Fine Mixed. All colors.....	.05
TRITOMA (Red-Hot Poker, or Torch Flower). Showy spikes of bloom in various shades of yellow and scarlet. H. H. P.	
Uvaria grandiflora.....	.05
UNICORN PLANT. Curious-shaped pods, which when young are used as pickles. H. A. 18 in.....	.05
VALERIANA (Hardy Heliotrope). A fine border plant, with fragrant flowers. H. B. 3 ft. Mixed colors.....	.05
VERBASCUM Pannosum. Stately and decorative plants with large white, wooly leaves and tall spikes of sulphur yellow flowers. H. P. 4-5 ft.	.10

VERBENA

Single plants will carpet a bed 3 to 4 ft. in diameter, with neat foliage and scores of fine flower umbels. Excellent for beds, borders, mounds, vases or window boxes. H. A. 18 in. Pkt.

Giant cœrulea. Pink, White, Scarlet	Each \$0.10
Crimson, oculata.....	Each .10
Giant Mixed.....	¼ oz. 40c. .10
Choice Mixed. All colors.....	¼ oz. 25c. .05
VINCA (Madagascar Periwinkle, or Old Maid). Ornamental and free flowering. T. P. 6-8 in.	
White, Rose, or Mixed.....	.10
VIOLA (Violet). H. P. Renowned for their beauty and fragrance.	
Sweet Scented, Blue. White.....	Each .10
VIRGINIAN STOCK. An early Summer-flowering garden annual. 1½ ft.	
Mixed Colors.....	.05
WALLFLOWER. Favorite, sweet-scented flowers, of many fine colors; largely used for Spring bedding. T. P. 18 in.	
Double Mixed. Double German varieties...	.10
Single Mixed.....	.05
Paris Single Annual (Mixed). Blooms the first year from seed. 3 ft.....	.10
WILD CUCUMBER VINE. Thickly dotted all over with pretty, white fragrant flowers. H. A. 15-30 ft. ½ oz. 10c., oz. 15c., ¼ lb. 40c.	.05



Verbascum

WISTARIA. Bears fragrant drooping panicles of lilac-blue or silvery white, pea-shaped flowers. Mixed colors. H. P. C. 15-20 ft.	Pkt \$0.10
ZEA Japonica (Japanese Maize). Quadricolor Perfecta. The leaves are broad, colored yellow, green and rose, with dark red stripes. H. A. 3-4 ft.....	.10

ZINNIA (Youth and Old Age)

The plants come easily to blooming size from seed, and should be transplanted at least 8 in. apart. Bloom the entire season. H. A. 1-2 ft.

Tall Double Varieties, Scarlet, White, Golden Yellow and Rose.....	Each Pkt. \$0.05
Tall Double Mixed.....	¼ oz. 15c. .05
Grandiflora robusta plenissima. A mixture of the largest sorts.....	¼ oz. 30c. .10

DWARF DOUBLE SORTS

More compact and neater than the taller varieties. 8-12 in.

White, Rose, Golden Yellow, Purple, Scarlet.....	Each .05
Dwarf Double Mixed.....	¼ oz. 15c. .05
Curled and Crested. Petals are twirled and twisted in graceful form. Mixed. ¼ oz. 20c.	.10

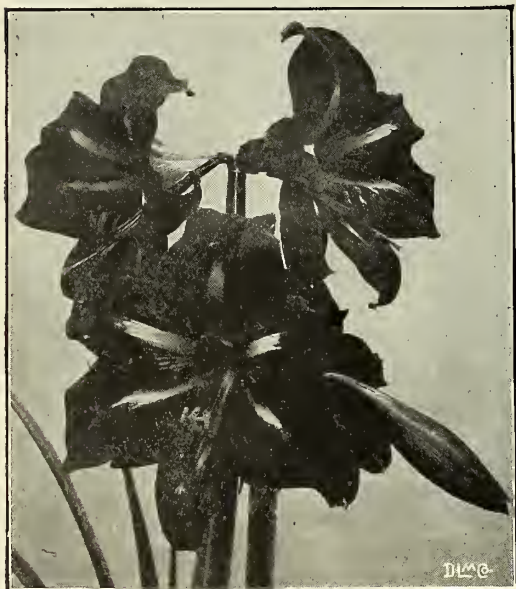
Noll's Complete Flower Garden

Contains a mixture of flower seeds that is complete for any purpose and is in great demand for carriage drives, large borders, shrubbery or woodland.

Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

SUMMER FLOWERING BULBS, ROOTS, ETC.

Culture.—These are of the easiest culture and give immediate results. Plant out in good, rich soil as soon as the ground is warm in the Spring, and you will be surprised with their beauty and abundance of bloom.



Amaryllis Johnsoni

AMARYLLIS

VITTATA HYBRIDS. These are grown specially for us and contain a remarkable range of colors from self pure white to darkest crimson, or flaked and striped. These are easily grown. 40c. each, \$4.00 per doz.

	Each	Doz.
Johnsoni (Bermuda Spice Lily). Large bulbs.....	\$0.30	\$3.00
Formosissima (Jacobean Lily).....	.10	1.00
Belladonna Major.....	.10	1.00
Valotta purpurea.....	.20	2.00
Sternbergia lutea.....	.10	.75

BEGONIAS—TUBEROUS ROOTED

These do best in a shady position. Have the soil rich, which serves to make them more profuse in blooming.

Single Flowering. Scarlet, pink, orange and white. Each 10c., 3 for 25c., doz. \$1.00, postpaid.

Double Flowering. Scarlet, pink, white and orange. Each 15c., 3 for 40c., doz. \$1.50, postpaid.

CALADIUM ESCULENTUM

(Elephant's Ear)

An effective plant for beds. Of easy culture; should be planted in good, rich soil, with an abundance of rich compost, and where they can obtain plenty of water.

Extra Large Bulbs. Each 30c., doz. \$3.00.

First Size Bulbs. Each 25c., doz. \$2.50.

CALLA LILIES

The Golden. Distinct from all other forms of yellow Callas. Same habit of growth as the white Calla, with flowers of same size and shape, but of a clear, rich, lustrous, golden yellow. Foliage is dark green, with a number of translucent, creamy-white spots, which greatly add to its beauty. Each 35c., doz. \$3.50.

Spotted Leaf. Leaves are a deep green, with numerous white spots, which alone give the plant a very ornamental appearance. Flowers are pure white, with a black center; grows freely either indoors or out in the open ground. Each 10c., doz. \$1.00.

Black Calla, or Solomon's Lily. Flower richest velvety black. Each 20c., doz. \$2.00.

CINNAMON VINE

A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves are heart-shaped, bright, glossy green; growth is very rapid, often running 25 to 40 ft. in a season. Perfectly hardy. 2-year-old roots. Each 10c., doz. \$1.00.

DIELYTRA or DICENTRA

Spectabilis (Bleeding Heart). A very popular, old-fashioned plant, bearing heart-shaped flowers of a beautiful rose and white combination. The flowers are borne on long, pendulous stems and the effect is very pretty. Each 15c., doz. \$1.50.

HYACINTHUS CANDICANS

Summer-Flowering Hyacinth. Blooms in the early Spring. Flower spike 3 to 5 ft. high, bearing 20 to 30 pure white, bell-shaped flowers. Half-hardy. Each 7c., doz. 75c.

ISMENE CALATHINA

Large, Amaryllis-like flowers, pure white and deliciously fragrant. Take up in October; after a few weeks, repot and flower in the house during Winter. Each 15c., doz. \$1.50.

LILY OF THE VALLEY

Produce small, white bell-shaped flowers, which are delightfully fragrant. The foliage is also very pretty. For massing in borders or beds they cannot be surpassed. Strong clumps. Each 25c., doz. \$2.50, (at purchaser's expense.)

Bulbs quoted at single rate (except Lily of the Valley) offered on this page, we deliver free to your door. At dozen rates, Parcel Post charges must be added to the prices given (except where noted).

Bulbs and Tuberous Rooted Plants

C. L. Allen. A complete history, description, methods of propagation and full directions for the successful culture of bulbs in the garden, dwelling or greenhouse. Postpaid, \$1.50.

For Parcel Post rates, see page 1.

CANNAS

Culture.—Cannas respond readily to liberal treatment. The soil in which they delight is a good loam mixed with a generous supply of well-rotted stable manure. Roots should be planted after the middle of May, when the weather has settled, and the soil has some warmth. Do not set the roots too deep—the “eye” should just be above the ground.

Cannas can be used either alone or can be made very effective in combinations, such as Cannas, Scarlet Sage and Dwarf Coleus. They should be set out 2 ft. apart—do best in sunny positions and when in flower, water supply should not be stinted.

Cannas have been improved on vastly in late years, and rare effects can be had with judicious selections of colors, both as regards flowers and foliage. Nothing can beat them for ease of culture.

GIANT ORCHID-FLOWERING VARIETIES

Buttercup. True Buttercup yellow. The most magnificent, pure, bright, deep canary-yellow. Green foliage. 3 ft. Each 15c., doz. \$1.50.

King Humbert. Magnificent giant flowers of pure orange scarlet, produced in great trusses, setting off to great advantage the handsome leathery bronze foliage. 4 ft. Each 10c., doz. \$1.00.

Mont Blanc, Improved. Blossoms are truly gigantic and make a magnificent display, and are produced freely all the season; almost snow white in color; showing to great advantage above the vigorous green foliage. 3½ feet. Each 20c., doz. \$2.00.

New York. Orchid-flowered with five petals, 5 to 7 inches across, of an intense carmine, well set above the magnificent, broad, deep green foliage, heavily marked and veined with a rich plum color. 6 ft. Each 15c., doz. \$1.50.

William Saunders. Bright scarlet flowers, produced on branching stems about 4 ft. high, in great clusters, often a foot across; bronze leaves. Each 20c., doz. \$2.00.

Wyoming. Foliage bronzy purple, flowers large, orange colored. 7 ft. Each 15c., doz. \$1.50.

CHOICE BEDDING VARIETIES

Black Warrior. A very dark, rich shade of maroon. Green foliage. 3 to 3½ ft. Each 15c., doz. \$1.50.

Comte de Bouchard. Golden-yellow flower with numerous red spots. Green foliage. 4½ ft. Each 10c., doz. \$1.00.

David Harum. Bright vermilion scarlet, mottled deep red; bronze-colored leaves. 3 ft. Each 15c., doz. \$1.50.

Gladioflora. Crimson, changing to carmine, rose edged gold, very handsome. 3½ ft. Green foliage. Each 20c., doz. \$2.00.

Hungaria. Attractive rose pink, bordered cream. 3½ ft. Green foliage. Each 20c., doz. \$2.00.

Meteor. Extra large, bright crimson flowers. 5 ft. Green foliage. Each 15c., doz. \$1.50.

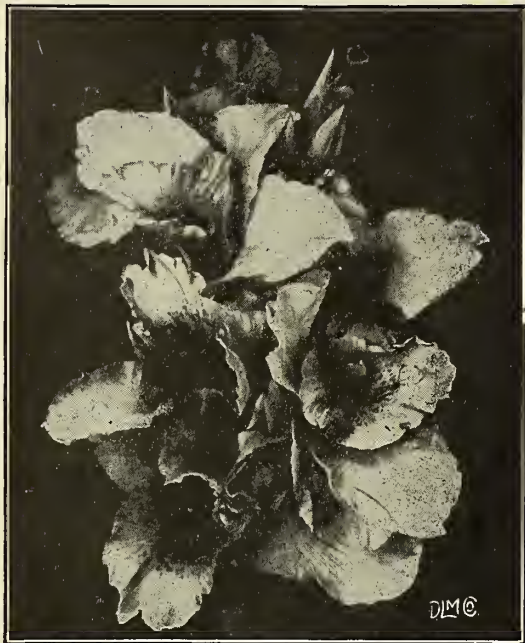
Mrs. Alf. Conard. The grandest pink variety today, flowers are of immense size, a continuous bearer. 4 ft. Green foliage. Each 20c., doz. \$2.00.

Pillar of Fire. Bright crimson-scarlet flower borne in erect spikes like blazing torches. 6 to 7 ft. Green foliage. Each 10c., doz. \$1.00.

Queen Charlotte. Pomegranate red. Each petal elegantly bordered with bright golden yellow. Makes a magnificent bedder; very showy. Green foliage. Each 10c., doz. \$1.00.

Richard Wallace. Pale canary, the largest and purest yellow grown. Large flowered. 4 ft. Green foliage. Each 15c., doz. \$1.50.

Rosea gigantea. Soft rose, to salmon pink, petals 2½ in. across. 4 ft. Green foliage. Each 20c., doz. \$2.00.



Canna, King Humbert

Venus. Soft rosy pink with a pretty mottled border of creamy yellow. 4 ft. Each 15c., doz. \$1.50.

Louisiana. Strong, vigorous-growing; producing a dense mass of glossy green foliage and vivid scarlet flowers, often measuring 7 inches across. 7 ft. Each 15c., doz. \$1.50.

POT GROWN CANNAS

Ready May 1st.

We recommend the use of growing Canna plants. We can supply the varieties named below in extra fine, strong stock. For descriptions refer to the general list.

	Each	Doz.
Buttercup	\$0.20	\$2.00
Gladioflora.....	.20	2.00
King Humbert.....	.20	2.00
Mont Blanc Improved.....	.25	2.50
William Saunders.....	.25	2.50
David Harum.....	.25	2.50
Hungaria.....	.35	3.50
Rosea gigantea.....	.30	3.00
Pillar of Fire.....	.15	1.50
Queen Charlotte.....	.15	1.50
Richard Wallace.....	.20	2.00
Venus.....	.20	2.00
In Mixed Colors	100, \$10.00.	.15 1.50

DAHLIAS

These are becoming more in evidence each season. Their ease of culture and adaptability to practically all soils make their success assured. The Cactus varieties have been much improved in recent years, and some of the most fantastic shapes, combined with the entrancing colors, which are numberless, make these ornaments anywhere.

For those who prefer the old-fashioned sorts, the "Decorative" and "Show" varieties will satisfy the demands of the most fastidious. In our selections, in the different classes will be found all that is best in color, shape, size and bearing in Dahlias.

It should be remembered that the largest roots do not always furnish the best results. Sometimes small tubers are most successful. Give Dahlias a trial, to secure a good showing at small expense.

CACTUS VARIETIES

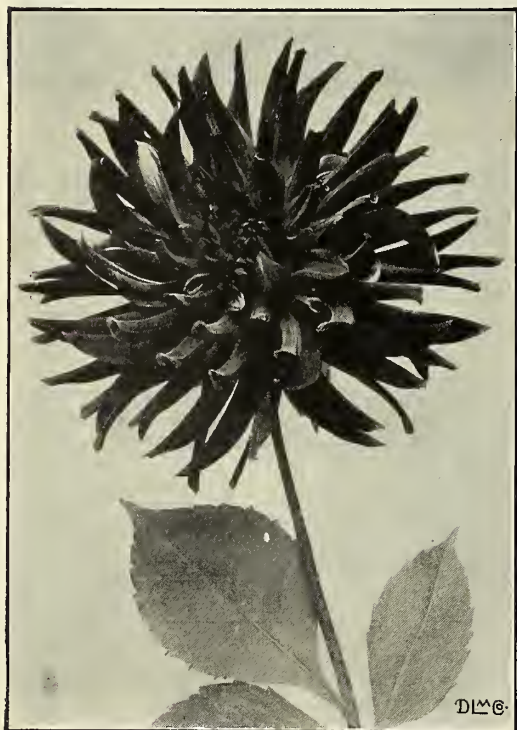
Alpha. White, spotted and flushed pink and crimson. The combination of colors makes this very distinct. Each 20c., doz. \$2.00.

Country Girl. Very large, free-flowering variety. Base of petals golden yellow, suffused with salmon rose, which is deepest at the points. Each 20c., doz. \$2.00.

Countess of Lonsdale. Very pleasing shade of salmon pink and amber. Profuse bloomer and a very good sort for cutting. Each 15c., doz. \$1.50.

Floradora. Color dark velvety crimson. The best dark crimson for cutting, as the flowers are borne on long stems and last a long while. Each 15c., doz. \$1.50.

J. H. Jackson. One of the largest flowered of the dark-colored sorts. The blossoms are immense in size; deep, rich, velvety maroon. Each 15c., doz. \$1.50.



Cactus Dahlia

Kriemhilde. Beautiful, fresh, delicate pink, shaded deep rose pink, with an exquisite white center, giving a delightful pink and white contrast. Each 15c., doz. \$1.50.

Mrs. De Luca. Golden yellow, tipped orange; very free, one of the best. Each 20c., doz. \$2.00.

Mrs. H. J. Jones. Deep crimson with a broad band of white running down the center of each petal. Each 20c., doz. \$2.00.

Prince of Yellows. Very large, with broad petals, which are fringed at the tips; color a rich canary yellow. Each 15c., doz. \$1.50.

Rev. T. W. Jamison. Very large flowers, long incurved petals, mauve pink, based with salmon. Strong grower, long stems and an excellent keeper when cut. A recent introduction and most worthy of a place in every garden. Each 20c., doz. \$2.00.

Standard Bearer. Brightest scarlet. Plant of dwarf branching habit; extremely profuse and early. Each 15c., doz. \$1.50.

T. A. Havemeyer. Color clear yellow at the base, deepening to bronze; very upright in growth. Each 20c., doz. \$2.00.

Uncle Tom. The best black Cactus. Color jet black, passing to maroon with a glistening satiny sheen. Each 15c., doz. \$1.50.

Winsome. Large flowers of pure spotless white, with twisted incurved petals. Borne on long stems, erect. Each 15c., doz. \$1.50.

DECORATIVE VARIETIES

Delice. The finest pink decorative Dahlia yet introduced. The color is a soft rosy pink, suffused with lavender pink; perfect in form and habit, producing flowers on long stems. This variety should appeal to all lovers of flowers on account of its delicate color. Each 20c., doz. \$2.00.

Grand Duke Alexis. A magnificent flower of finest form and largest size; the petals roll up so that the edges overlap each other. The color is pure white, distinctly tinged delicate pink. Each 15c., doz. \$1.50.

Lyndhurst. Bright scarlet. Very valuable for cutting. Each 15c., doz. \$1.50.

Madam Van den Dael. Of immense size and beautiful form. Shell pink, with deeper markings. Each 20c., doz. \$2.00.

Nymphæa. Light shrimp pink, with lighter center. Each 15c., doz. \$1.50.

Sylvia. Fine form, full at center, which is pure white, shading to soft pink on the outer petals. Each 15c., doz. \$1.50.

Wm. Agnew. Best red ever introduced for cutting or decorating. Color intense glistening scarlet crimson. Each 15c., doz. \$1.50.

DAHLIAS

SHOW VARIETIES

Arabella. Color pale primrose, shaded and tipped old rose and lavender. Valuable for cutting. Each 15c., doz. \$1.50.

Carol. Pure white, delicately tinted with soft pink. Each 15c., doz. \$1.50.

Jamaica. Deep rich purple, shaded maroon. Each 15c., doz. \$1.50.

Lemon Beauty. Full round form. Color soft lemon yellow. Each 15c., doz. \$1.50.

Miss Dodd. Very large, pure sulphur yellow. Each 15c., doz. \$1.50.

Storm King. The finest of all white show Dahlias. Early, profuse and a constant bloomer. Each 15c., doz. \$1.50.

FANCY VARIETIES

Harlequin. Brilliant crimson, striped and tipped pure white; dwarf. Each 15c., doz. \$1.50.

Mrs. Stancombe. Straw, suffused amber, penciled red, mottled and tipped pinkish white. Each 15c., doz. \$1.50.

Penelope. White, flaked lavender. One of the best. Each 15c., doz. \$1.50.

POMPON VARIETIES

Alewine. White, flushed pink. Each 10c., doz. \$1.00.

Fairy Queen. Sulphur yellow, edged with deep peach. Each 10c., doz. \$1.00.



Arabella

La Petit Jean. Dark rich crimson; very fine. Each 10c., doz. \$1.00.

Snowclad. Finest white Pompon to date. Each 15c., doz. \$1.50.

Splendens imbricata. Very bright red. Fine form. Each 10c., doz. \$1.00.

MIXED SHADES OF DOUBLE DAHLIAS

White, pink, red and yellow shades in mixture. Each 10c., doz. \$1.00, 100 \$7.00.

SINGLE VARIETIES

Alba superbe. Large, glistening, pure white.

Ami Barillet. Scarlet-crimson flowers, dark bronze foliage.

Big Chief. Cherry red, margined rich velvety maroon.

St. George. Large, pure yellow.

Single sorts, 15c. each, \$1.50 per doz.

These four represent the choicest of the Single and most floriferous sorts.

The Dahlia Manual

W. W. Wilmore.

The author presents in this treatise such information as is most commonly needed in successful Dahlia culture, the result of his twenty years' experience as commercial grower and originator of the new varieties. Post-paid 25c.

It gives me great pleasure to write you that I do not think any better results could be obtained from supplies purchased anywhere than those received from you.

This was my first experience in cultivating flowers and garden truck and I received most courteous attention from your representatives, which aided me greatly in accomplishing most satisfactory results.

C. E. YOUNG, Newark, N. J.

I am very well satisfied with the "Forbes" Lawn Grass. The plot has been a pleasure all Summer, showing no signs of dying out and of a very even growth.

WILLIAM THORNE, Little York, N. J.

The "Forbes" Lawn Grass sent me last Spring has proven very satisfactory. It did well from the start, and has made a very pretty piece of grass. I will always use the "Forbes" in the future.

P. J. BROGAN, Elizabeth, N. J.



Delice—See page 74

GLADIOLI

These have been most popular for many years and deservedly so. Of the easiest culture, with a range of color known to no other garden bulb—useful for massing, bordering or shrubbery work, for cutting unexcelled, and cost practically nothing. Any ordinary garden soil suits Gladioli, and with successive plantings, flowers can be had from July until frost.

No garden is complete without Gladioli. Should separate colors be desired, the named sorts furnish the most gratifying results, while our mixtures are carefully blended so that the colors are in such proportions as to render the greatest satisfaction. If Gladioli are wanted by mail, add 10c. per doz. for postage.

America. The finest Gladioli ever introduced and ranks as the best sort for cutting as well as all-round purposes. The color is a very beautiful soft pink, the coloring and texture resembling those of the Orchid. Each 5c., doz. 50c., 100 \$3.00.

Attraction. A very attractive sort; color a deep crimson, with a pure white center and throat. Each 7c., doz. 75c., 100 \$5.00.

Augusta. A lovely and useful variety; pure white, with blue anthers. Each 5c., doz. 50c., 100 \$3.50.

Baron Hulot. A most beautiful sort; color is of a rich violet blue. Flowers are of good substance, quite large and very attractive. Each 10c., doz. \$1.00, 100 \$7.00.

Brenchleyensis. Color a vermilion scarlet. One of the best varieties for showy masses. Each 5c., doz. 30c., 100 \$2.00.

Canary Bird. The best light yellow. Each 10c., doz. \$1.00, 100 \$7.00.

Cardinal. Color a rich cardinal. Flowers are very large, borne on long spikes. Each 18c., doz. \$1.75, 100 \$12.00.

Ceres. White, flaked with dark rose. A very attractive sort. Each 5c., doz. 50c., 100 \$3.50.

Columbia. Color orange scarlet, blotched with bluish purple. This variety makes a very effective show. Each 10c., doz. \$1.00, 100 \$7.00.

Doctor Sellow. Deep, rich, rosy crimson, petals and throat rayed white. Each 10c., doz. \$1.00.

Fireflare. Bright salmon rose, perfect flowers, large, of great substance, spikes stout and compact. Each 20c., doz. \$2.00.

Isaac Buchanan. A very fine yellow sort. Each 10c., doz. \$1.00, 100 \$7.00.

Jessie. Velvety red. A good variety for cutting, having long spikes well filled. Each 8c., doz. 75c., 100 \$5.00.

Kunderdi Glory. Every petal is exquisitely ruffled and fluted. Delicate cream pink, with crimson stripe. Each 15c., doz. \$1.50.

Little Blush. Extra fine blush; compact spike. Each 10c., doz. \$1.00, 100 \$7.00.

Mayor. Rich purple rose. Each 10c., doz. \$1.00, 100 \$7.00.

Mrs. Francis King. Light scarlet in color. Very vigorous grower and free bloomer. Each 5c., doz. 50c., 100 \$3.00.

Princes. Large Amaryllis-like flowers, of a beautiful red color, having broad, white blotches across the lower petals. Each 6c., doz. 60c.

Peace. Large, perfectly shaped flowers; pure white, feathered pale lilac on lower petal. Borne on a straight spike. Each 12c., doz. \$1.25.

Rosy Spray. White, sprayed with rose pink. Each 10c., doz. \$1.00, 100 \$7.00.

Salem. A fine salmon pink. Large, open flowers. Each 7c., doz. 75c., 100 \$5.00.

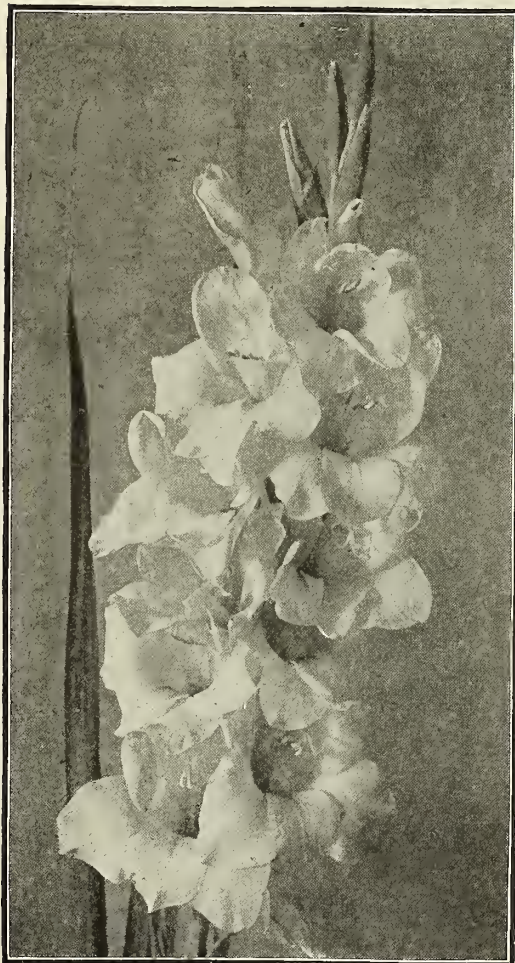
Scribe. A beautiful, large and open flower on a large spike. Color tinted white, striped freely with carmine. Each 10c., doz. \$1.00, 100 \$7.00.

Sunlight. Color light crimson, with a yellow throat. A fine and showy variety. Each 6c., doz. 60c., 100 \$4.00.

Superb. Pink striped, flaked salmon pink. Each 10c., doz. \$1.00, 100 \$7.00.

Taonic. Pink; lower petals blotched crimson. Each 8c., doz. 80c., 100 \$6.00.

William Falconer. Enormous flowers of light pink, furnished with liberal foliage. Each 10c., doz. \$1.00, 100 \$7.50.



• Gladiolus America

GLADIOLI IN MIXTURE

Choicest "Rainbow" Mixture. Contains an even proportion of the different shades, blends and colors as well as a liberal percentage of the magnificent large flowering Childsii Hybrids. For massing or bordering this is cheapest because it is the very best ever offered. We have put our prices within reach of all who wish to grow the "Bayonet Flower." Doz. 30c., 100 \$2.00.

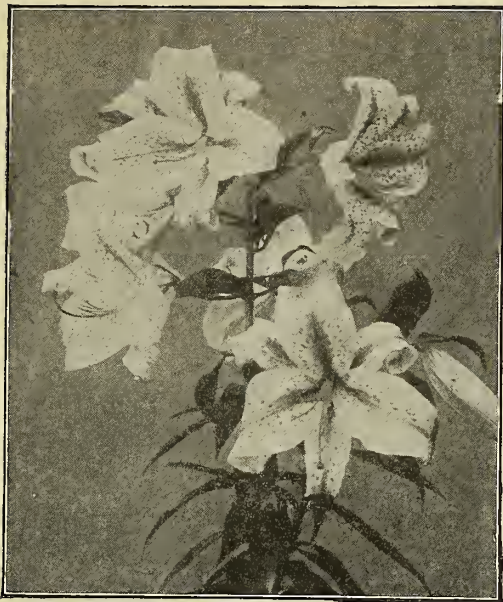
Popular Mixture. Embraces a wide range of colors and produces very fine spikes of good substance. Doz. 25c., 100 \$1.75.

J. F. Noll & Co.:

Marple, England, August 13th, 1915.

I wish to tell you the "America" Gladioli you sent me last Spring were most satisfactory, the most pleasing shade of pink, in fact the finest variety we have had here so far.

ANNIE MCINTYRE.

*Lilium auratum*

HARDY GARDEN LILIES

Auratum (The Golden-Rayed Lily of Japan). The most beautiful of all Lilies. Flowers white, dotted crimson, with a clear, golden band running through the center of each petal; very fragrant. Each 25c., doz. \$2.50.

Speciosum album. Pure white, with greenish band through the center of each petal. Each 25c., doz. \$2.50.

Speciosum rubrum. A most satisfactory sort. Flowers white, with deep, rosy crimson band on each petal, and deeper-colored spots between. Each 20c., doz. \$2.00.

Melpomene. A grand variety. Flowers rich blood crimson, heavily spotted. Each 25c., doz. \$2.50.

MADEIRA, or MIGNONETTE VINE

A beautiful and popular vine, covering a large space in a short time. Fleshy, heart-shaped leaves of a light green, and numerous racemes of feathery white flowers of delicious fragrance. Each 5c., doz. 50c.

MONTBRETIAS

Resembles the Gladiolus in growth and sword-like foliage, but does not have to be lifted each Fall. The beautiful spikes of star-shaped flowers are in various shades of red, yellow and orange and bulbs flower freely the first season.

Mixed Colors. 3 for 10c., doz. 30c., 100 \$2.00.

At single rates we deliver free of postage. At dozen prices Parcel Post expense must be added to remittance. See page 1.

OXALIS (Summer-Flowering)

Bulbs set 3 inches apart will produce an unbroken row of elegant foliage, completely covered with the pretty flowers. Blooms very quickly after planting and furnishes a neat and attractive border the whole season. Splendid for pot culture, and when planted 6 or 8 in a pot are decidedly ornamental.

Shamrock. Clover-like foliage, pink blossoms.

Deppei. Pure white flower; very fine.

Lasiandra. Cut foliage, beautiful rosy-pink flowers.

Any of the above: Doz. 15c., 100 for \$1.00, postpaid.

PAEONIES

These flowering roots are becoming more popular every year, owing to their great range of color and magnificent, showy flowers. There have been rapid strides made in color production the last few years and the shades we offer contain many of the best sorts and colors that specialists list under separate names and colors. They increase in floral beauty year after year and when once planted last a life time. Plant in rich and somewhat moist soil.

Double White Shades. Each 25c., doz. \$2.50.

Double Pink Shades. Each 25c., doz. \$2.50.

Double Red Shades. Each 20c., doz. \$2.00.

"Old-fashioned Piney" (*Officinalis rubrum*).

Deep red color. Very double and fragrant. Each 20c., doz. \$2.00.

NAMED VARIETIES

Beaute de Francaise. Pink, tipped blush-white.

Comte de Paris. Lilac-pink, salmon-yellow center.

Each 50c., doz. \$5.00.

Duchesse de Nemours. Clear violet, lilac center.

Each 75c., doz. \$7.50.

Edulis superba. Bright mauve-pink.

Festiva maxima. Enormous, double; pure white, center usually flecked with carmine. Each 50c., doz. \$5.00.

Humei. Large, compact, cherry-pink, silver tips.

Insignis. Violet-rose, center clear pink. Each 50c., doz. \$5.00.

Louis Van Houtte. Bright violaceous red.

Mme. Calot. Pinkish white, tinged with flesh. Each 50c., doz. \$5.00.

Rubens. Deep brilliant red. Each 50c., doz. \$5.00.

Victor Lemoine. Dark crimson. Each 50c., doz, \$5.00.

Zoe Calot. Soft pink, shaded lilac. Each 50c., doz. \$5.00.

Price, except where noted: Each 40c., doz. \$4.00.

TUBEROSES

Excelsior Double Dwarf Pearl. Long spikes, 20 to 30 in. high, with large, double, pure white flowers of exquisite fragrance.

Extra Size. Each 4c., doz. 40c., 100 \$2.50.

First Size. 2 for 5c., doz. 20c., 100 \$1.25.

The Peony Manual

C. S. Harrison. Third edition. Enlarged, improved and up-to-date.

Divided into ten chapters, embracing propagation, raising from seeds, diseases, preparing the ground, planting, forcing, shipping, etc, with complete list of varieties. Postpaid, 25c.

HARDY PERENNIAL PLANTS

Hardy perennial plants have many claims, both practical and artistic, and of late years they have been largely cultivated. They are found in the villager's yard, as well as in the millionaire's garden, and by a judicious selection, a succession of flowers can be had from April to September. To this end, we have noted the months of flowering as a guide. One of the telling points is their easiness of culture. Planted in Autumn and given a light protection the first year, they stand all the rigors of successive Winters, flowering each season. They should be planted where they are intended to be grown permanently. Those of dwarf habit should be placed in front, and the taller sorts, such as Hollyhock, Tritoma, Foxglove, etc., in the rear. We know of no class of plants which afford such a wealth of flower, for such a small outlay, as Hardy Perennial plants. They combine all shades of color, and are of the easiest culture, in fact, "they grow themselves," and no garden, no matter how modest, is complete without them. By procuring a few assorted plants, an "old-fashioned garden" can be had for a small financial outlay.

	Height	Color	Time of Bloom
<i>Aconitum napellus</i> (Monkshood) 20c. ea., \$2.00 doz.	3 ft.	Blue & White	July-August
<i>Achillea</i> "The Pearl"	2 ft.	White	July-August
<i>Althaea</i> (Hollyhock) 20c. each	5-6 ft.	All Colors	July-August
<i>Alyssum saxatile</i> (Golden Tuft)	1 ft.	Yellow	April-May
<i>Anemone japonica alba</i> (Wind Flower)	2 ft.	White	Sept.-Oct.
<i>Aquilegia</i> (Columbine)	2 ft.	All Colors	May-June
<i>Asclepias tuberosa</i> (Butterfly Flower)	2 ft.	Orange	July-August
<i>Aster Novae-Anglae</i> (New England Aster)	4 ft.	Purple	August-Sept.
<i>Bocconia cordata</i> (Plum Poppy)	6 ft.	Creamy White	July-Sept.
<i>Boltonia asteroides</i>	4 ft.	White	August-Oct.
<i>Boltonia latisquama</i>	4 ft.	Pink	August-Oct.
<i>Campanula</i> (Canterbury Bells)	2 ft.	All Colors	June-August
<i>Centaurea orientalis</i> (Knapweed)	3 ft.	Yellow	July
<i>Cerastium tomentosum</i> (Snow in Summer)	6 in.	White	May-June
<i>Conoclinium</i> (Mist Flower)	2 ft.	Blue	August-Oct.
<i>Delphinium</i> (Hardy Larkspur).			
<i>Chinensis</i>	2 ft.	White & Blue	June-Oct.
<i>alba</i>	2 ft.	White	June-Oct.
<i>formosum</i>	2 ft.	Dark Blue	June-Oct.
<i>Coelestinum</i>	2 ft.	Sky Blue	June-Oct.
<i>Dianthus</i> (Hardy Pinks).			
<i>Barbatus</i> (Sweet William)	1½ ft.	All Colors	May-June
<i>Dicentra or Dielytra</i> (Bleeding Heart)	1½ ft.	Rose	April-June
<i>Digitalis gloxiniaeflora</i> (Foxglove)	3 ft.	All Colors	June-August
<i>Epimedium alpinum</i> (Barrenwort)	9 in.	Crimson & Yellow	May-June
Ferns, Hardy. A large assortment.			
<i>Funkia undulata variegata</i>	1½ ft.	Variegated Foliage	July
<i>Gaillardia grandiflora</i> (Blanket Flower)	1½ ft.	Orange	June-Nov.
<i>Eulalia gracillima</i> (Ribbon Grass) 25c. ea., \$2.50 doz.	5 ft.	Variegated	
<i>Gypsophila paniculata</i> (Baby's Breath)	2 ft.	White	July-August
<i>Helenium autumnale</i> (Sneeze Weed.)	4 ft.	Yellow	August-Sept.
<i>Helianthus</i> (Hardy Sunflower)	6 ft.	Assorted	August-Oct.
<i>Heliopsis Pitchenianus</i> (False Sunflower)	4 ft.	Golden Yellow	July-Sept.
<i>Hemerocallis flava</i> (Yellow Day Lily)	3 ft.	Yellow	June-August
<i>Hibiscus Crimson Eye</i> (Mallow)	5 ft.	White & Crimson	August-Sept.
<i>Iberis sempervirens</i> (Hardy Candytuft)	10 in.	White	April-June
<i>Iris Germanica</i> (German Iris)	3 ft.	Assorted	May-June
<i>Iris Kaempferi</i> (Japanese Iris) 20c. each	3 ft.	Assorted	June-July
<i>Lavandula vera</i> (Sweet Lavender)	1½ ft.	Yellow	July-Sept.
<i>Liatris pycnostachya</i> (Gay Feather)	5 ft.	Purple	July-Aug.
<i>Lobelia cardinalis</i> (Cardinal Flower)	3 ft.	Scarlet	August-Oct.
<i>Lychnis Chalcedonica</i>	2 ft.	Scarlet	June-July
<i>Monarda didyma</i> (Horse Mint)	3 ft.	Red	July-Aug.
<i>Myosotis palustris</i> (Forget-Me-Not)	10 in.	Blue	May-Sept.
<i>Oenothera fruticosa</i> (Evening Primrose)	2 ft.	Yellow	June-July
<i>Peonies Double Chinese.</i> 20c. each	2½ ft.	Assorted	June-July
<i>Papaver orientalis</i> (Oriental Poppy)	2 ft.	Scarlet	June-July
<i>Pentstemon barbatus</i> (Beard Tongue)	4 ft.	Scarlet	July-August
<i>Phlox decussata</i> (Hardy Phlox)	2½ ft.	Assorted	June-Oct.
<i>Platycodon</i> (Balloon Flower).			
<i>grandiflorum</i>	2 ft.	Blue	June-Oct.
<i>album</i>	2 ft.	White	July-Oct.
<i>Primula Veris</i> (English Cowslip)	9 in.	Yellow	April-June
<i>Primula Vulgaris</i> (English Primrose)	9 in.	Yellow	April-June
<i>Pyrethrum hybridum</i> (Single Hardy). 25c. ea., \$2.50 doz.	2 ft.	Assorted	May-June
<i>Rudbeckia laciniata fl. pl.</i> (Golden Glow)	1 ft.	Yellow	July-Sept.
<i>Sedum acre</i> (Golden Moss)	3 in.	Yellow	May-July
<i>Sedum spectabilis</i> (Stonecrop)	1½ ft.	Pink	May-July
<i>Spiraea Japonica</i>	2 ft.	White	June-July
<i>Stokesia cyanea</i> (Stoke's Aster)	3½ ft.	Blue	July-Oct.
<i>Tritoma Pfitzeri</i> (Red Hot Poker)	4 ft.	Orange	July-Sept.
<i>Veronica longifolia.</i> 25c. each	2 ft.	Blue	August-Sept.
Wallflower	1 ft.	bronze yellow	June-Oct.
<i>Yucca filamentosa</i> (Adam's Needle), 25c. each	5 ft.	White	July-August

Price for any of the above, except where noted, 15c. each, \$1.50 per dozen.

HARDY ORNAMENTAL TREES

We import these in large quantities from Holland every year and know you cannot get better value for the money anywhere. The plants we offer are good shape, robust and vigorous. The following list comprises the most beautiful varieties and will thrive in almost any climate in this country. Shipped by express, not prepaid.

ABIES NORDMANNIANA (Silver Fir)

This is one of the most beautiful foliage trees we offer. Foliage is a massive dark green effect above, and glaucous below, producing a fine sight to behold throughout the year. 1½-2 ft., each \$1.50; 2-2½ ft., each \$2.50; 2½-3 ft., each \$3.00.

Abies Sitchensis. A very rapid-growing and beautiful sort. Will make an effect quicker than any other kind. Fine plants. 2 ft., each 75c.

Abies Veitchii (Japan Fir). This variety originated in Japan, and is one of the most beautiful specimens grown. 1½ ft., each \$1.00; 2 ft., each \$1.50.

ACER POLYMORPHUM

(Japan Maple)

These foliage trees are very beautiful, especially in the Fall, when they are in full leaf. For effects in lawns they cannot be surpassed.

Japonicum aureum. Foliage of this variety is colored yellow, of a fascinating shade; strong plants. 4 to 5 ft. Each \$1.00, doz. \$10.00.

Polymorphum atropurpureum. One of the standard varieties, producing large dark purple foliage. Strong, pot-grown plants. Each \$1.50, doz. \$15.00.

PICEA PUNGENS (Koster Blue Spruce)

A selection of the bluest tints of the Colorado Blue Spruce. This is one of the most attractive conifers yet introduced. Makes a fine show on lawns, cemeteries, drive entrances, walks, etc. Holds its color throughout the year. Fine specimen plants. 1½ ft., each \$1.50; 2 ft., each \$2.00; 2½ ft., each \$2.50; 3 ft., each \$3.50.

RETINOSPORA OBTUSA GRACILIS

A very graceful variety of Japan Cypress and should be largely planted. Is hardy in the latitude of New York. Fine specimen plants. 2-2½ ft., each \$1.50; 2½-3 ft., each \$2.50.

RETINOSPORA PLUMOSA AUREA

(Golden Foliage)

Grows in a pyramidal form; is very graceful and of a beautiful bright golden color. Plants 2-2½ ft. high, each \$1.25; 2½-3 ft., each \$2.00.

RETINOSPORA SQUARROSA

This is another variety of the Japan Cypress, but has steel-colored foliage. This variety grows very compact and can be pruned into almost any shape or size desired. Plants 2-2½ ft. high, each \$2.00.

ORNAMENTAL and FLOWERING SHRUBS, Etc.

ALTHEA (Rose of Sharon)

These plants produce robust bushes, which make a very pretty effect on lawns or borders. Different colors. 3 to 4 ft. Each 35c., doz. \$3.50.

ANDROMEDA FLORIBUNDA

(Lily of Valley Tree)

Dwarf habit, having upright panicles of nodding, waxy-white flowers. Blooms in May. Each \$1.00, doz. \$10.00.

AUCUBA JAPONICA VARIEGATA

Dark green, laurel-like foliage, freely spotted with bright yellow. Excellent for both Summer and Winter decorations. 1½-2 ft., each 75c.

AZALEA MOLLIS

Perfectly hardy, and during May produces brilliant-colored flowers in different salmon shades. The foliage appears immediately after the flowers have dropped. Plants about 1 ft. high, each 35c., doz. \$3.50; 1-1½ ft., each 50c., doz. \$5.00.

Standard, or Tree Form. 2-3 ft. stems, each \$1.50.

AZALEA AMOENA

Practically green with foliage throughout the year. In late Spring the plants become literally covered with small, rosy-crimson (purplish) flowers, which produce a wonderful effect. Plants about 12 to 15 in. high, each 80c., doz. \$8.00.

BUXUS SEMPERVIRENS (Boxwood)

Fine for producing effects in lawns, driveways, walks, etc. Keeps green all the year round; very hardy and vigorous. We offer ball-shaped plants as follows: 1 ft. each 60c.; 1½ ft., each 75c.; 2 ft., each \$1.25; 2½ ft., each \$2.00; 3 ft., each \$3.50.

Pyramidal Form. 3-ft. plants, each \$2.50.

Globe-shaped. Fine plants. 18 in. x 18 in., each \$3.00; 2 ft. x 2 ft., each \$4.50.

CALIFORNIA PRIVET

(Ligustrum ovalifolium)

The most popular hedge plant grown. Extremely hardy and a rapid grower. Can be pruned into almost any shape desired; cutting improves them. 2-2½ ft., 100 \$5.00, 1000 \$45.00; 3-3½ ft., 100 \$6.00, 1000 \$50.00.

CALYCANTHUS FLORIDUS

(Sweet Scented Shrub)

Flowers are of a deep purple color; very fragrant. Each 25c., doz. \$2.50.

CORNUS (Dogwood)

Alternifolia. Fragrant, creamy white flowers and large foliage. 2-3 ft., each 30c., doz. \$3.00.

Sibirica (Red Siberian Dogwood). A rare and remarkable variety, with bright red bark in Winter. 3-3½ ft., each 50c., doz. \$5.00.

CYTISUS LABURNUM (Golden Chain)

3 to 4 ft. Each 50c., doz. \$5.00.

CRATAEGUS OXYACANTHA

(Pink Hawthorn)

3 to 4 ft. Each 75c.

The Pruning Book L. H. Bailey. Explains the principles of each operation in every detail. Specific advice is given on the pruning of the various kinds of fruit and ornamental trees, shrubs and hedges. Considerable space is devoted to the pruning and training of grape vines. Postpaid, \$1.50.

ORNAMENTAL and FLOWERING SHRUBS—Continued

DEUTZIA GRACILIS

A graceful and charming shrub, bearing pure white flowers over the entire plant; blooms during June. 1 ft. plants, each 25c., doz. \$2.50; extra size, each 50c.

FORSYTHIA FORTUNEI (Golden Bell)

A very early-blooming bush, the yellow star-like flowers appearing before the foliage. Very attractive and perfectly hardy. Each 35c., doz. \$3.50.

FUNKIA VARIEGATA

A very popular foliage plant, used extensively for bordering flower beds, their green and yellow foliage making a very fine showing. Of easy culture and perfectly hardy. Each, 15c., doz., \$1.50.

HYDRANGEA PANICULATA

(Bush Form)

One of the most popular and desirable plants you can grow. Produces oblong-shaped flowers about August. Are a greenish white when first appearing, gradually turning white; later they turn a reddish color. Can be used as a dry flower for decorative purposes. Good, thrifty plants. 2 to 3 ft. Each 30c., doz. \$3.00.

We also supply this variety on stems about 3 to 4 ft. high. Each 75c., doz. \$7.50.

LILAC

An old favorite flowering bush. We offer them in colors, purple and white. 2 to 3 ft. Each 50c., doz. \$5.00.

MAGNOLIA

Soulangeana. A very popular flowering tree, bearing pinkish-white flowers in early Spring. After appearing in full bloom, the flowers drop, then the foliage appears, which is a glossy green. Large trees, 4-5 ft., each \$3.50.

Speciosa. This variety produces pure white flowers. Trees, 3-4 ft., each \$2.00.

Lennei. One of the most beautiful of the Magnolias. Blossoms are a deep red and are very large. 4 ft. trees, each \$3.00.

CLIMBERS, Etc.**VINCA (Periwinkle)**

Minor. Evergreen trailer; fine for covering bare places. Each 25c., doz. \$2.50.

AMPELOPSIS QUINQUEFOLIA

(Virginia Creeper)

Very large, deep green foliage, changing to brilliant scarlet in Autumn; grows rapidly and clings to trees, arbors and trellises. Each 25c., doz. \$2.50.

AMPELOPSIS VEITCHII (Boston Ivy)

One of the handsomest vines to grow on walls or sides of brick houses. Clings very firmly to the smoothest surfaces. Each 25c., doz. \$2.50.

ARISTOLOCHIA SIPHO

(Dutchman's Pipe)

Brownish-colored flowers, which resemble a pipe in shape. This vine grows quite rapidly, producing very large, heart-shaped foliage. Each 50c., doz. \$5.00.

BIGNONIA GRANDIFLORA

(Trumpet Creeper)

Strong plants. Each 50c.

PLUM, DOUBLE FLOWERING

A very showy shrub, perfectly hardy. Flowers are semi-double, of a delicate pink color. Blooms in May. 1½ to 2 ft. Each 40c., doz. \$4.00.

PHILADELPHUS (Mock Orange)

Extremely hardy; produces pure white flowers; very fragrant. Each 25c., doz. \$2.50.

RHODODENDRONS

Do best in shaded positions. Can be used for massing, making a very fine show all the year round, especially when in bloom. Colors represented are white, pink, red and purple. 1-1½ ft. Each, \$1.00, doz. \$10.00. Extra size, each \$2.00, doz. \$20.00.

SPIRAEA

Van Houttei. Early Spring-blooming shrub. Pure white flowers borne along graceful branches. Each 25c.

Anthony Waterer. Bright crimson. Each 30c.

SYMPHORICARPUS (St. Peter's Wort)

Racemosus (Snowberry). A popular, hardy shrub, of medium size and bushy form; small, pink flowers in Summer, followed by large, waxy-white berries in Autumn. 2½-3 ft., each 35c., doz. \$3.50.

VIBURNUM PLICATUM

Japan Snowball, long and well known. Produces in profusion ball-shaped blooms, pure white in color. The foliage is a shining green; very showy. Strong plants. Each 35c., doz. \$3.50.

WEIGELA

Produces large, trumpet-shaped blooms along the branches during June and July. Rosy crimson. Each 35c., doz. \$3.50. Extra size, each 75c.

CLEMATIS

One of the most popular climbers. Grows best in a sandy loam. Produces large blooms, which are most beautiful. Potted plants.

Jackmanii. Rich, velvety dark purple. Each 50c.

Henryi. Pure white, fine, large flowers. Each 50c.

Ville de Lyon. A beautiful red; large. Each 50c.

Duchess of Edinburgh. Double-flowering white; very beautiful. Each 50c.

Paniculata (Virgin's Bower.) Produces small, sweet-scented white flowers, in clusters, covering the plant over the entire top. Each 35c.

LONICERA (Honeysuckle)

Belgica (Fragrant Dutch Honeysuckle). Flowers red and yellow; blooms all Summer. Each 35c., doz. \$3.50.

Halleana (Hall's Japan Honeysuckle). Flowers open white, changing to buff; very fragrant. Each 35c., doz. \$3.50.

Japonica (Pink Woodbine). (Evergreen Honeysuckle). Purplish stems and leaves, holding its foliage all Winter. Flowers pink and white; fragrant. Each 25c., doz. \$2.50.

WISTARIA CHINENSIS

Flowers lavender. Each 60c., doz. \$6.00.

Nursery Book

inarching, etc. 365 pages illustrated, postpaid, \$1.50.

L. H. Bailey. A complete handbook of propagation of plants treating on seedage, separation and division, layerage, cuttage, graftage, including grafting, budding,

NOLL'S SELECTED ROSES

We have great confidence in offering these Roses—grown specially for our trade. Included are some of more recent introduction, which after severe trials have proven successful. The old standard sorts it is unnecessary to recommend, as their worthiness has stood the test of many years.

A second blooming can be had from the varieties marked * by cutting out the old flower stems, which causes a fresh growth and the plant will set new buds, making it more of an Everblooming Rose.

No plants give more satisfactory returns than Roses. No garden is complete without them. Roses are shipped by express at customer's expense.

HYBRID PERPETUAL ROSES

***Alfred Colomb.** Bright crimson.
American Beauty. Rich, rosy crimson.
Baron de Bonstettin. Dark, velvety crimson.
 ***Captain Christy.** Delicate flesh color, rosy center.
 ***Captain Hayward.** Deep crimson; free bloomer.
Clio. Flesh, center shaded with rosy pink.
Frau Karl Druschki. The finest white Rose.
 ***General Jacqueminot.** Brilliant crimson scarlet.
 ***Hugh Dickson.** Brilliant crimson, shaded scarlet.
Magna Charta. Bright rose, very large.
 ***Marshall P. Wilder.** Bright carmine.
Mrs. John Laing. Soft pink; abundant bloomer.
 ***Mrs. R. S. Sharman Crawford.** Very fine, deep rose.
 ***Paul Neyron.** Deep rose; flowers very large.
Soleil d'Or. Deep yellow, shaded orange.
Ulrich Brunner. Cherry crimson; large size.

Prices, each 25c., doz. \$2.50.

HYBRID TEA ROSES

Clothilde Soupert. White, center rosy; very full.
 Each 35c., doz. \$3.50.
Franz Deegen. Yellow; a strong grower. Each 40c., doz. \$4.00.
George C. Waud. Orange, shaded red. Each 35c., doz. \$3.50.
 ***Cruss an Teplitz.** Scarlet crimson; very free flowering.
Harry Kirk. Beautiful golden yellow. Each 35c., doz. \$3.50.
Irish Fireflame. Single, buds deep orange, becoming fiery orange crimson. Each 50c., doz. \$5.00.
Jonkheer J. L. Mock. Carmine, changing to imperial pink. Each 35c., doz. \$3.50.
Kaiserin Augusta Victoria. White. Each 35c., doz. \$3.50.
Killarney. Pink, shaded white; very fragrant.
La France. Bright pink; very large; excellent form.
Liberty. Brilliant velvety crimson.
Madame Edouard Herriot. Superb coral red, shaded yellow, passing to brown red. Each 50c., doz. \$5.00.
Mme. Caroline Testout. Bright rose; very fragrant.
Madame Ravary. Orange yellow, well formed flowers. Each 35c., doz. \$3.50.
Maman Cochet. Pink; extra large. Each 40c., doz. \$4.00.
Mevrouw G. W. van Gelderen. Color a soft, creamy pink; a strong grower; very early and free flowering variety. Each 30c., doz. \$3.00.
Mrs. Aaron Ward. Indian yellow. Each 40c., doz. \$4.00.
Mrs. Andrew Carnegie. Lemon white, long pointed bud. Each 50c., doz. \$5.00.
Mrs. F. W. Vanderbilt. Deep orange; very free flowering. Each 50c., doz. \$5.00.
Old Gold. Vivid reddish orange; mildew-proof foliage. Each 50c., doz. \$5.00.
Rayon d'Or. Large, deep yellow flowers, turning to a bronzy hue. Each 40c., doz. \$4.00.
 ***Richmond.** Brilliant crimson. Extra fine.
White Killarney. Very fine, of excellent form. Each 35c., doz. \$3.50.

Prices, each 25c., doz. \$2.50, except where noted.

CLIMBING and TRAILING ROSES

***Aviator Bleriot.** Large clusters of saffron-yellow flowers, with a golden center. Each 35c., doz. \$3.50.
Crimson Rambler. Crimson.
 ***Dorothy Perkins.** Soft pink.
 ***Dorothy Perkins, White.** A great bearer and very fragrant. Has all the best points of its parent. Each 35c., doz. \$3.50.
Maréchal Niel. The finest yellow. Each 35c., doz. \$3.50.
 ***Tausendschoen.** Rosy carmine.

Prices, each 25c., doz. \$2.50, except where noted.

BABY RAMBLER ROSES

Anchen Muller. Brilliant rose.
Baby Abel Chatenay. Carmine, soft rose; flowers in trusses. Each 50c., doz. \$5.00.
Baby Farbenkoningin. Bright light red; flowers in trusses. Each 50c., doz. \$5.00.
Catherine Zeimet. White Baby Rambler.
Flower of Fairfield. Everblooming crimson Rambler. Each 35c., doz. \$3.50.
Mme. Norbert Levavasseur. Baby Rambler, crimson.
 Prices, each 25c., doz. \$2.50, except where noted.

MOSS ROSES

Assorted Varieties. All the best kinds. Each 25c., doz. \$2.50.



Mevrouw G. W. van Gelderen

Small Fruits

Consisting of Dewberries, Blackberries, Currants, Gooseberries, Raspberries, Strawberries and Grapes, are among the greatest necessities of the home. Their use for culinary and dessert purposes is of untold value. The medicinal qualities of the Black Currant are well known. The Grape is also a domestic favorite.

Grapes

	Each	Doz.	100
2-yr.....	\$0.25	\$2.50	\$15.00
3-yr.....	.35	3.50	25.00
4-yr.....	.50	5.00	
Extra.....	.75	7.50	

BLACK GRAPES

Champion. Bunches medium to large; compact; berries large; skin thick and firm; sweet and juicy; hardy and very productive.

Concord. Fine black variety; splendid flavor; reliable and productive; one of the most popular varieties.

Wildcr. Bunch very large and compact; berry large and tender; juicy and sweet. One of the best blacks.

Worden. Bunch large, compact and handsome; berries large.

RED AND REDDISH-PURPLE GRAPES

Agawam. Large bunches; red berries, tender and juicy. Good bearer. Ripens early.

Catawba. Bunches large and loose; berries large, coppery red, becoming purple when well ripened.

Delaware. Bunches small and compact; berries small, light red; sugary and vinous.

Woodruff Red. Bunches and berries very large; of excellent quality; good keeper.

Wyoming. Similar to Delaware, but larger; sweet and very aromatic. Hardy and productive.

WHITE GRAPES

Elmira. Bunches and berries medium size; vigorous. Hardy and productive. Valuable for wine.

Empire State. Bunch large; berry medium to large; flesh tender, sweet and juicy.

Niagara. Bunch medium to large; berry large, roundish, uniform; skin thin, with a thin, whitish bloom; flesh slightly pulpy; tender and sweet.

Currants

Should hold a very important position in every garden, as they are of easy culture and may be devoted to many uses.

2-yr., each 15c., doz. \$1.50; extra large bushes, each 25c., doz. \$2.50.

Black Champion. Bunch and berry very large, of excellent quality; prolific and strong.

Black Naples. Very much esteemed for jellies.

Cherry. One of the largest red Currants; bunches short.

North Star. Red; very long clusters; fine quality.

Red Dutch. A well-known variety; immense bunches; very productive.

White Dutch. An excellent white variety; medium size; very sweet.

Gooseberries

It is best to plant in rich ground. Clean out old wood in Spring and trim to keep bushes in shape.

Except where noted: Each 25c., doz. \$2.50.

Columbus. Large, oval; greenish yellow; fine quality.

Downing. Large, whitish green; soft and juicy; vigorous and prolific.

Industry. Large; roundish oval; dark red; of fine flavor and very productive. Each 35c., doz. \$3.50.

Keepsake. Very large; straw colored; of excellent quality; very early. Each 35c., doz. \$3.50.

Red Jacket. Large; red; good flavor; hardy and prolific.

Smith's Improved. Large; oval; light green; flesh firm and sweet. Each 35c., doz. \$3.50.

Raspberries

Plant in rows about 5 ft. apart and 3 ft. between the plants. They like good, rich soil, with plenty of manure. Early in the Spring cut out the old wood which bore the last crop of fruit.

Each 10c., doz. \$1.00, 100 \$7.00.

Brandywine. Large, bright red; very firm; subacid; hardy and productive.

Cuthbert (Queen of the Market). Red, very large and firm; sweet and luscious.

Golden Queen. Large, amber color; firm; fine quality; remarkably productive.

Miller. Large, bright red; rich flavor; core small.

BLACKCAP RASPBERRIES

Doz. 75c., 100 \$5.50; extra size, doz. \$1.50, 100 \$10.00.

Black Diamond. Very large; ripens early; very sweet and fine flavor. Pulpy; few seeds.

Cumberland. Very large, glossy berries; firm, juicy and sweet.

Eureka. Large, juicy and rich; productive and early.

Gregg. One of the most valuable and abundant; large; good quality; vigorous.

Kansas. Very large; firm, and of excellent quality.

Blackberries

Doz. 75c., 100 \$5.50; extra size, doz. \$1.50, 100 \$10.00.

Agawam. Medium size; jet black and sweet; fine, early variety.

Eldorado. Medium size; jet black; sweet and rich; hardy and very productive.

Erie. Large and of good quality; early.

Lawton. Large, oval, black; sweet; excellent; an old favorite.

Snyder. Medium size; sweet and melting; very hardy and enormously productive.

Wilson Junior. Immense clusters; ripens evenly; becomes sweet as soon as black; hardy; ripens early in July.

Wineberries

List and prices on application.

Dewberries

Lucretia. A trailing variety of the Blackberry; ripens between the Raspberry and the Blackberry; fruit large and handsome. Doz. \$1.00, 100 \$7.00.

Logan Raspberry-Blackberry. Fruit same size as large Blackberry; same form and shape; color dark bright red; mild, pleasant flavor; excellent for table and canning. Each 25c., doz. \$2.50, 100 \$15.00.

Pot-Grown Strawberry Plants

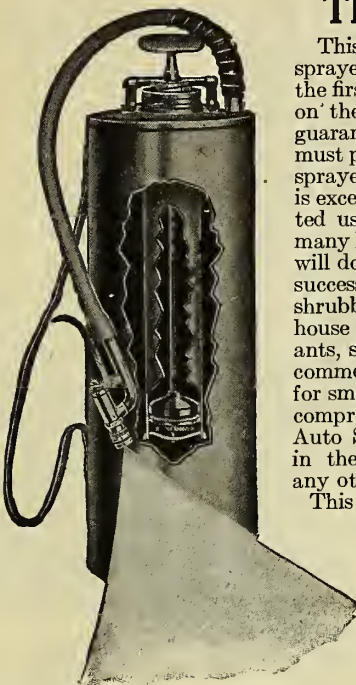
Pot-grown plants set out this Summer will produce a full crop of fruit next June. We will have these plants ready on and after the latter part of July, and they can be supplied as late as October. It is better, however, to procure the plants in August or September, as earlier plantings develop larger and more vigorous plants, and will produce a greater crop of fruit next year.

The varieties we handle are selected from experience of many years. List and prices on application. Orders will be delivered one week after we receive them, as we do not carry Strawberry plants in stock at our store. Orders are filled direct at the nursery.

No plants, shrubs or any other nursery stock will be delivered C. O. D., unless remittance of 50 per cent. be made on account, to guarantee acceptance.

NOLL'S RELIABLE SPRAYERS

THE AUTO SPRAY No. 1



This sprayer is the standard of all compressed air sprayers and is in very great demand. It is probably the first real successful Compressed Air Sprayer ever put on the market. No sprayer is sold under a broader guarantee for efficiency and durability. The Auto Spray must please, and will accomplish all that any first-class sprayer will, or the purchase price will be refunded. It is exceptionally strong and entirely practical for all limited uses, and is even used with great satisfaction in many large operations. No other compressed air sprayer will do such a variety of work and do it so well. It will successfully spray vines, potatoes, field crops, bushes, shrubbery and low trees; will whitewash the poultry house and handle insecticides, fungicides and disinfectants, sheep and cattle dip, cattle fly oil, etc. Even large commercial orchard owners use the Auto Spray No. 1 for small work. There is not a good feature in any other compressed air sprayer that is not to be found in the Auto Spray No. 1, and there are many improvements in the Auto Spray No. 1 which are not to be found in any other compressed air sprayer.

This sprayer when properly charged contains three gallons of solution and about one gallon of compressed air. It is the strongest and simplest in its working parts of any compressed air sprayer. The tank construction is the strongest ever invented, having reinforced seams at top and bottom, all seams being locked, soldered and riveted; and it is the only tank which absolutely does not require a safety valve.

Tanks supplied in either heavy brass or galvanized iron. Two pumpings of about 15 strokes on the plunger will discharge the entire contents under high and constant pressure. After pumping, the operator has nothing to do but direct the spray, the air-pressure automatically forcing out the solution for a period of from 6 to 15 minutes, according to the nozzle opening. The pump is of large capacity, seamless brass, 2-inch diameter, insuring rapid pumping and a constant high pressure. The pump plunger can be removed and reinserted by simply drawing the leather cup into a sleeve. The leather cup is specially treated and remains long in pliable condition. It is fitted underneath with a flexible brass spreader, which keeps it spread out against the sides of the cylinder. The Auto-Pop spray nozzle automatically controls the spray. By operating the lever the valve is opened or closed as desired, and at the same time a cleaning stem is automatically worked through the nozzle aperture, insuring non-clogging. The operation of the Auto-Pop nozzle is not tiresome, as is the case with thumb operated devices, and it saves both time and solution.

Equipment.—The Auto Spray No. 1 is regularly equipped with carrying strap; 2 feet of extra fine quality $\frac{1}{2}$ -inch hose, which is wired at tank connection to prevent cracking; fine spray nozzle; solid stream cap and shut-off, and tank as selected and at prices below. This equipment is satisfactory for low work. For spraying higher trees, etc., order extension rod as below.

Dimensions.—Auto Spray No. 1, diameter 7 inches; height 2 feet; capacity $3\frac{1}{2}$ gallons. Weight, empty, 7 lbs.; loaded 39 lbs.; shipping weight, 15 lbs.



Brass Strainer
(See below)

NET PRICES OF AUTO SPRAY NO. 1 (Not Prepaid)

Auto Spray No. 1-A, brass tank with stop-cock.....	\$6.75
Auto Spray No. 1-B, brass tank with Auto-Pop nozzle ..	7.25
Auto Spray No. 1-C, galvanized tank with stop-cock... ..	4.50
Auto Spray No. 1-D, galvanized tank with Auto-Pop nozzle.....	5.00

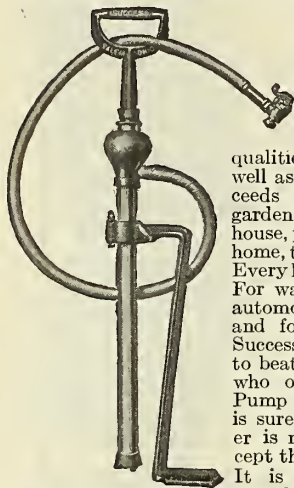
NET PRICES OF EXTRA ATTACHMENTS

Extension Pipe, 2 ft., brass for high trees. (P. P. 8 oz.)	\$0.45
Torch, for burning worms' nests; forces flame $4\frac{1}{2}$ ft. from outlet. (P. P. 1 lb.)	.90
Brass Elbow, for reaching underside of leaves, etc. (P. P. 4 oz.)	.25
Brass Strainer, for straining whitewash, etc. (P. P. 2 lbs.)	.90
Two-Row Attachment of heavy brass, with 2 nozzles, for spraying 2 rows of crop at one operation (P. P. 1 lb.)	1.35

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.



THE "SUCCESS" BUCKET SPRAYER



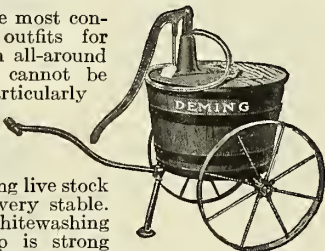
The best bucket sprayer on the market. The most popular sprayer we know, and an exceptional article for the price we ask. The Success Spray Pump, by its truly excellent qualities is a Success in fact as well as in name. "Nothing succeeds like Success." For the garden, small orchard, greenhouse, poultry house, garage and home, this pump is indispensable. Every household should own one. For washing windows, carriages, automobiles, whitewashing, etc., and for putting out fires, the Success Bucket Sprayer is hard to beat. If a neighbor of one who owns a "Success" Spray Pump sees him using it, he also is sure to want one. This sprayer is made entirely of brass except the foot rest and hand grip. It is made with a large air chamber, is double acting, throwing

ing an absolutely continuous and steady stream, solid or fine spray, as desired; is very light, easily carried, and can be used with any bucket or tub.

The price below does not include bucket, but includes nozzle and 3-foot section of $\frac{3}{8}$ -inch hose. Shipping weight, 10 lbs. **PRICE (not prepaid), \$4.00.**

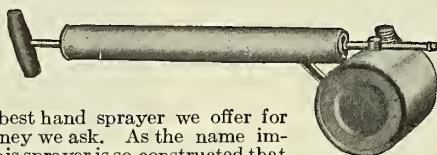
GARDENER'S CHOICE SPRAY OUTFIT

This is one of the most convenient spraying outfits for general use. As an all-around utility sprayer it cannot be beaten. It is particularly adapted for both the garden and greenhouse, also for orchard use,



as well as for spraying live stock in the barn and livery stable. It is a splendid whitewashing outfit, as the pump is strong and durable, and has a good agitator. The Gardener's Choice is an equipment that is easily worth \$5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has a brass cylinder and with hose and nozzle is a complete equipment. **PRICE (not prepaid), complete as in cut, \$17.00.**

CONTINUOUS HAND SPRAYER

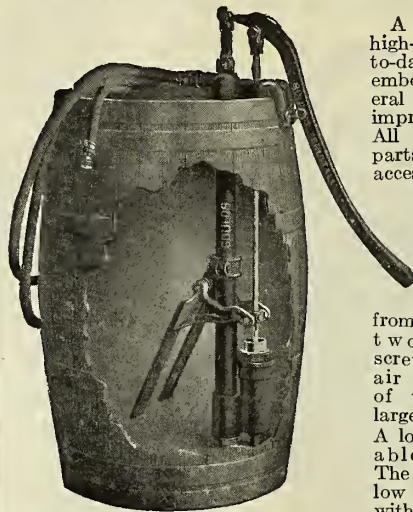


The best hand sprayer we offer for the money we ask. As the name implies, this sprayer is so constructed that it not only sprays on the downward stroke of the plunger but also when it is drawn back, thus causing a continuous mist-like spray. Spray tube, nozzle and siphon tube are removable. Also the brass ball check valve is easily accessible. Air chamber measures 14 inches in length by $1\frac{1}{2}$ inches in diameter. Solution tank holds 1 quart. Will handle fly oils, disinfectants, insecticide, and the regular spraying materials with great rapidity, giving a fine, effective spray.

PRICE (Not Prepaid)

All Tin.....	\$0.75
All Galvanized.....	1.00
All Brass.....	1.25

THE FRUITALL SPRAYING OUTFIT



A simple, high-grade, up-to-date pump, embodying several important improvements. All working parts of brass, accessible and easily removed for cleaning. It can be mounted on or removed from barrel by two thumb screws. Steel air chamber of unusually large capacity. A long, adjustable handle. The pump is low down and within the barrel, thus offering

ing no obstruction to limbs, and is not top-heavy. The pump is large, but easily operated by a single person. The agitator is mechanical in action, and much superior to the old "return discharge." The most efficient and satisfactory spray pump ever offered.

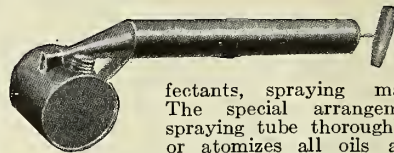
PRICE (Not Prepaid)

Fruitall Pump, with agitator only.....\$5.00

Fruitall Pump, with barrel.....11.00

Fruitall Outfit C, Sprayer with agitator and 15-ft. lead of $\frac{3}{8}$ -inch discharge hose and "Mistry, Jr." spray nozzle, \$10.00; with barrel, \$13.00.

NOLL'S SPECIAL HAND SPRAYER



For all general purposes, fly oils, disinfectants, spraying materials, etc. The special arrangement of the spraying tube thoroughly breaks up or atomizes all oils and solutions into a fine, mist-like spray, which penetrates all cracks and crevices. Air chamber $14\frac{1}{2}$ inches long and $1\frac{1}{4}$ inches in diameter. Solution tank ends are double seamed and rolled on, making tank non-leakable. Best plunger leather obtainable is used. Tank capacity 1 quart. **PRICES (not prepaid):** Heavy sheet tin, 50c.; heavy sheet brass, 75c.

"MIDGET" HAND SPRAYER

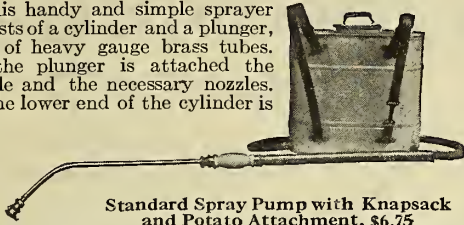


Designed for domestic uses, conservatories, for spraying fly oils, disinfectants, furniture polish, etc. Equipped with drip cup to catch any solution that, while operating, may accumulate at the end of the spray tube. Made of good quality tin; cylinder 14 inches long by $1\frac{1}{2}$ inches in diameter; tank capacity 1 pint. **PRICE (not prepaid), 35c.**

FOR INSECTICIDES SEE PAGES 92 and 93

STANDARD SPRAY PUMP

This handy and simple sprayer consists of a cylinder and a plunger, both of heavy gauge brass tubes. To the plunger is attached the handle and the necessary nozzles. To the lower end of the cylinder is



Standard Spray Pump with Knapsack and Potato Attachment, \$6.75

attached the hose through which the pump draws the supply of liquid. Cylinder is $1\frac{1}{8}$ inches in diameter and

18 inches long; plunger $\frac{3}{4}$ inch in diameter. Overall length is $27\frac{1}{2}$ inches (not including hose) and weight is just over 3 lbs. It is operated like a "squirt gun." The Standard Spray Pump is not a double acting pump, spraying on the down stroke only, but by making the return stroke quickly practically a continuous flow of spray may

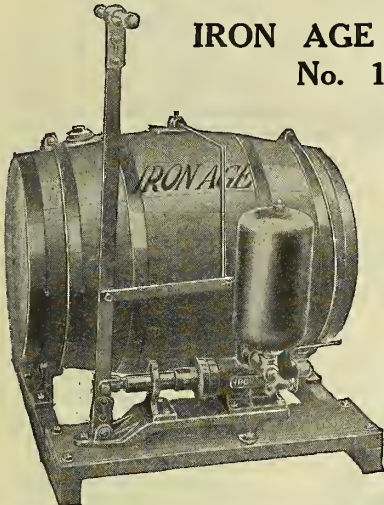


be obtained and a considerable height may be reached. This sprayer may be used in conjunction with a bucket, barrel or knapsack, or, in fact, with anything that will hold the liquid.

PRICE (Not Prepaid)

Standard Spray Pump, with $3\frac{1}{2}$ ft. hose and nozzles Nos. 1, 2 and 3.....\$3.50
Knapsack, ready for attaching to pump.....2.50
"Potato" Extension Attachment......75

IRON AGE SPRAY No. 190



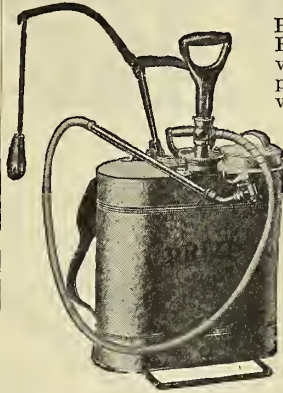
This is an ideal equipment to mount on a flat wagon, cart or sled. It is complete in every detail. Equipped with a 50-gal. barrel, large air chamber, with a pressure capacity of 125 lbs., automatic agitator, brass-bronze ball valves and woven hemp

packing, which is easily replaced. No leather or rubber to give trouble. All working parts of the pump are outside, and are easily accessible.

PRICE (Not Prepaid)

No. 190, no hose or nozzle (as in cut).....\$20.00
No. 1901, with 15 ft. $\frac{1}{2}$ -in. hose, 1 nozzle.....23.00
No. 1902, equipped with 2 15-ft. lengths of $\frac{1}{2}$ -in. hose, 2 nozzles.....26.75

KNAPSACK SPRAYER



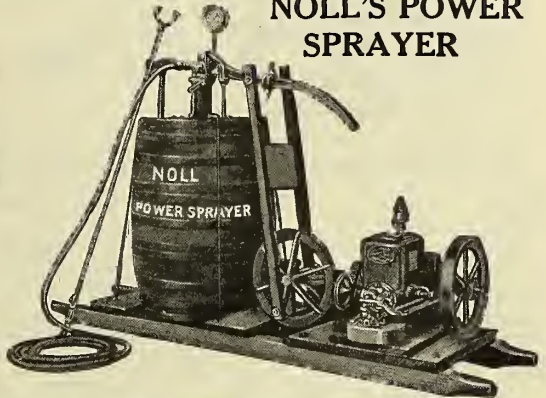
A Knapsack Sprayer and Bucket Sprayer combined. Five-gallon brass or galvanized iron tank, brass pump with bronze ball valves. Excellent for

carrying around the garden among shrubbery, and for tree work, etc. A man can spray 5 to 6 acres of vines in a day with this outfit. Can be used as a bucket spray on the ground with extra handle supplied. These outfits have 5 ft. of $\frac{3}{8}$ -inch hose with discharge pipe, undersprayer and Bordeaux nozzle. Weight, boxed for shipping, 40 lbs.

PRICE (Not Prepaid)

Success (as in cut), brass tank.....\$13.00
Prize, galvanized iron tank.....9.00

NOLL'S POWER SPRAYER



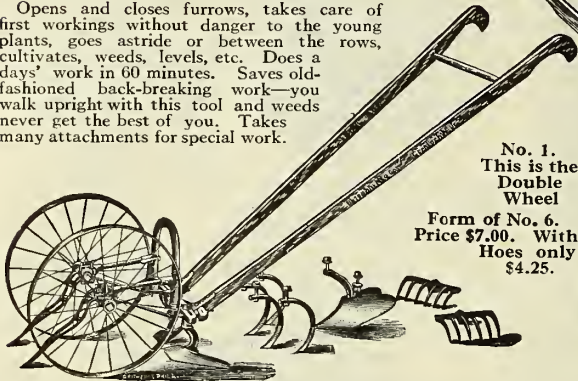
This outfit is designed for the small orchard and general farm spraying work—just the outfit for the man who is tired of hand pumping. With one gallon of gasoline this rig will operate all day, pumping at 125-175 lbs. pressure. Specifications: Regular barrel sprayer with mechanical agitator and attachment for fastening securely in barrel, brass cylinder $2\frac{1}{4}$ in. x $3\frac{1}{4}$ in., brass ball valves, cage and seat. Special fabric packing, brass wire gauze strainer, and large air chamber. Valve chamber bolted on. Fitted with pressure gauge, $4\frac{1}{2}$ in. diameter registering to 200 lbs.; special brass relief valve with reversible and removable seat and disc, adjustable to pressure desired. Also 1 25-ft. section $\frac{1}{2}$ in. high pressure hose; 1 8-ft. spray pipe extension rod with shut off complete; 1 double spraying attachment with 2 Simplex nozzles. With 2 nozzles 140 lbs., and with 1 nozzle 175 lbs., pressure may be obtained. Engine, 1 H.P. 4-cycle Stover horizontal hopper-cooled gasoline engine; automatic hit and miss governor; speed 550 r.p.m. Cylinder $3\frac{1}{2}$ in. bore by $3\frac{1}{2}$ in. stroke; 15 in. fly wheels; fuel tank holds 3 qts.; hopper tank 2 gals. Ignition, standard "make and brake." Magneto, Sumter gear driven, no batteries required. Dimensions: Overall length 84 in., width 32 in., height 50 in. Shipping weight, complete outfit 475 lbs. PRICE (not prepaid), as in cut, \$80.00.

See Pages 92 and 93
**FOR INSECTICIDES and
SPRAYING MATERIALS**

IRON AGE FARM AND GARDEN IMPLEMENTS

No. 1 Double and Single Wheel Hoe

Opens and closes furrows, takes care of first workings without danger to the young plants, goes astride or between the rows, cultivates, weeds, levels, etc. Does a days' work in 60 minutes. Saves old-fashioned back-breaking work—you walk upright with this tool and weeds never get the best of you. Takes many attachments for special work.



No. 1.
This is the
Double
Wheel

Form of No. 6.
Price \$7.00. With
Hoes only
\$4.25.

The No. 9 "Iron Age" Single Wheel Hoe Cultivator, Plow and Rake

Price complete \$5.25

Price No. 10 Plain (Hoes only) \$3.25

For the small kitchen garden we consider the single hoe as being preferable. With the single wheel tool spaces of exceedingly narrow width can be worked, even using but one cultivator tooth. With the large plow attachment deep furrows can be opened or closed; potatoes, celery and other crops hills.



No. 6 Combined Double and Single Wheel Hoe Hill and Drill Seeder

No. 6
Combined
Price \$12.00.
Drill only
\$9.00.

Sows seed in continuous rows or drops in hills at 4, 6, 8, 12 or 24 inches apart. Lever makes quick change. Opens its own furrow, covers it and packs the soil. Has accurate feed, without injury to the seed. Latter is dropped in plain sight—no guess work. The high wheel runs easy. The Wheel Hoe form of this tool is No. 1, shown above.

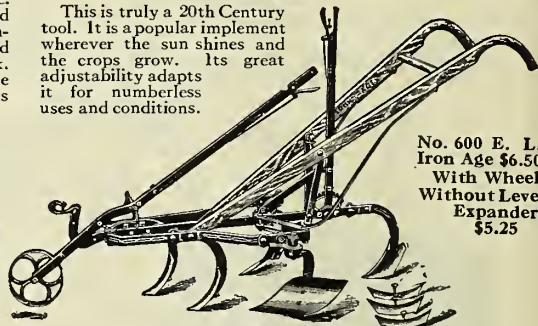


No. 600 E. L. "Iron Age" Horse Hoe and Cultivator

Price as in cut \$6.50

With Plain Wheel and Without Lever Expander,
Price \$5.25

This is truly a 20th Century tool. It is a popular implement wherever the sun shines and the crops grow. Its great adjustability adapts it for numberless uses and conditions.

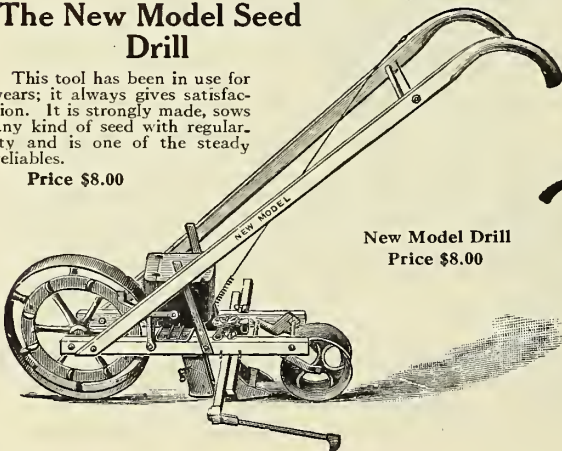


No. 600 E. L.
Iron Age \$6.50
With Wheel
Without Lever
Expander
\$5.25

The New Model Seed Drill

This tool has been in use for years; it always gives satisfaction. It is strongly made, sows any kind of seed with regularity and is one of the steady reliables.

Price \$8.00



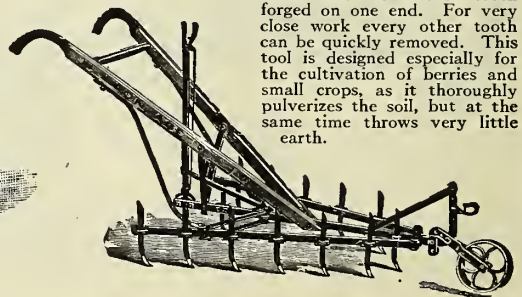
New Model Drill
Price \$8.00

No. 1014 E. P. "Iron Age" Combined Harrow and Cultivator

Price as in cut \$5.25

Price, Plain Harrow (Without Lever or Wheel) \$4.00

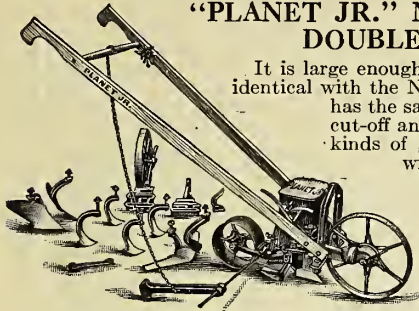
Its teeth are diamond shape, with a small cultivator tooth forged on one end. For very close work every other tooth can be quickly removed. This tool is designed especially for the cultivation of berries and small crops, as it thoroughly pulverizes the soil, but at the same time throws very little earth.



"PLANET JR." FARM AND GARDEN TOOLS

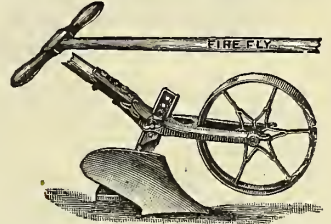
"PLANET JR." No. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

It is large enough for field use, for it holds $2\frac{1}{2}$ quarts. As a drill it is almost identical with the No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb screw adjustment. Accurate in sowing all kinds of garden seed in either hills or drills. As a Wheel Hoe it is identical with the No. 12 Double Wheel Hoe. The change from drill to wheel hoe takes but a moment. **Price, complete, \$13.50.**



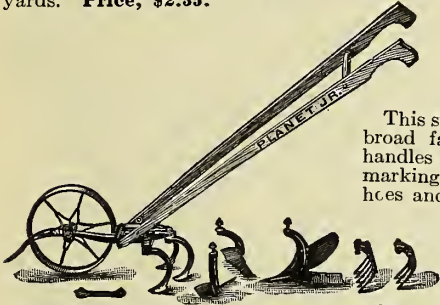
"PLANET JR." No. 4 COMBINED SEED DRILL, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Same as above, but combining a single instead of a double wheel hoe. **Price, complete, \$11.00. As a Seeder only, \$9.00.**



"PLANET JR." FIRE-FLY HAND GARDEN PLOW

This tool is exceedingly useful to owners of small gardens. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken raisers find it of great advantage in plowing up their scratching yards. **Price, \$2.35.**



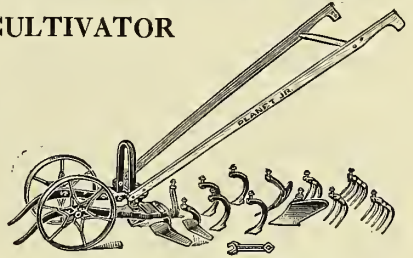
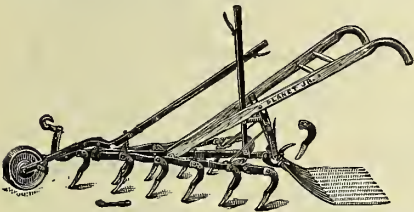
"PLANET JR." No. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW

This single wheel hoe has a very full set of tools. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame. The tools are a well-shaped plow for marking out, plowing, covering, and late cultivation; a pair of 6-inch shield hoes and three all-steel patent cultivator teeth; also a set of two rakes. A practical leaf-guard holds up the plants, while thorough work is being done underneath; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage. **Price, complete, \$5.85.**

"PLANET JR." No. 11 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

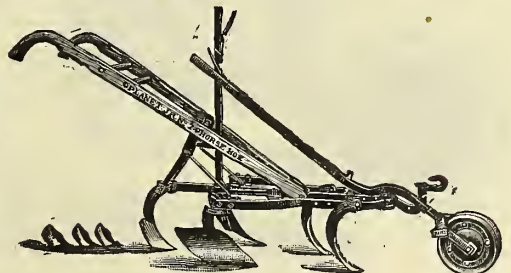
It has 11-inch wheels, which can be set at four different distances apart; the steel frame can be set three different heights. The handles are adjustable, and, being attached to the arch, are undisturbed in making changes of adjustment in frame, wheels or tools. The quick change frame permits the tools to be changed without removing the nuts. All the blades are of tempered and polished steel.

Price, No. 11 (as in cut) \$9.00; No. 12, as in cut, less rakes and 1 pair hoes, \$7.00; No. 13, same frame and wheels as Nos. 11 and 12, but with 1 pair 6-inch hoes only, \$4.75.



"PLANET JR." 12-TOOTH HARROW, CULTIVATOR AND PULVERIZER

A high frame and chisel-shaped teeth. The Foot Lever Pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth **while in motion**; it contracts to 12 inches and expands to 32 inches. It cultivates deep without throwing earth upon the plants, and the smooth, round-throated teeth turn strawberry runners without injuring them. **Price, complete (with new steel lever wheel and pulverizer), \$9.25. Less pulverizer, \$7.65. Less pulverizer and wheel, \$6.20.**



"PLANET JR." No. 7 HORSE HOE AND CULTIVATOR

This is no ordinary, heavy, clumsy cultivator, but an implement made scientifically correct and entirely of steel. The patent frame is extra long and 2 inches higher than other cultivators, the standards being hollow, giving great strength and remarkably light weight, consequently it is easy for both man and horse to work. The cultivator, teeth, hoes, etc., are of the finest quality of case hardened, polished, beveled steel that will retain an edge and will not clog in the stickiest soil. The lever expander gives from 10 to 25 inches in width. **Price, with solid steel wheel, as in cut, \$8.75. With depth regulator additional, order as No. 8, price, \$9.25.**

FARM AND GARDEN IMPLEMENTS

PLOWS

"BOSS" COMBINATION PLOW

The handiest one-horse turning plow for general use. Actually four plows in one. It can be worked as a medium and heavy one-horse plow, and as a plow for operating among Cabbage, Strawberries, etc. **Price, \$5.25;** with the double mold and share **\$7.25.**



No. 1-B SOUTH BEND ONE-HORSE PLOW

This is larger than the No. 62 and is one of the most desirable one-horse plows on the market. For garden work it cannot be surpassed. Has a furrow capacity of $5\frac{1}{2} \times 9$ inches. **Price, including clevis, wrench and extra share, \$5.50.**

No. 2 SOUTH BEND PLOW

This plow is designed for one heavy horse or two light horses. This plow is in big demand all over the country, being used in nurseries, gardens, etc. Has a furrow capacity of 6×10 inches. Can be fitted with jointer and level wheel if desired. **Price, \$8.00.**

No. 3-F SOUTH BEND PLOW

This is one of the most desirable two-horse plows on the market. Strongly built, yet light enough for two horses to draw easily. Furrow capacity $6\frac{1}{2} \times 12$ inches. Also furnished with steel beam. **Price, including jointer and gauge wheel, wood beam, \$13.50;** steel beam, **\$14.25.**

In addition to above named plows and harrows, an assortment of which we always carry in stock, we can supply at short notice plows and harrows of any make to meet the requirements of our customers.

No. 4-F SOUTH BEND PLOW

This is similar to the No. 3-F, but somewhat heavier. This will fill the requirements for a heavy two-horse plow or a light three-horse plow. Furrow capacity 7×13 inches. **Price, including jointer and gauge wheel, wood beam, \$13.50;** steel beam, **\$14.75.**

"LITTLE CAPTAIN" PLOW No. 62

No. 62 is one of the finest plows of its capacity on the market to-day. The moldboard, landside and share are removable, being separate from the standard. It is constructed much like all the South Bend Chilled Plows. This plow is sold at a very reasonable price and we are sure you cannot buy any other plow of its size that will give the same satisfaction. Furrow capacity of 4×7 inches. Is made in right-hand and wood beam only. Plow complete, **price, \$3.50.**

HARROWS

ACME PULVERIZING HARROW

A harrow for general purposes, that crushes, cuts, turns, smooths and levels all in one operation. Two-horse size, cuts $6\frac{1}{2}$ feet. **Price, \$16.00.**

STEEL DISC SMOOTHING HARROW

Frame measures 6 feet 8 inches by 6 feet and has 4 sets of rollers, having 58 discs 8 inches in diameter. Two-horse size, . . . **\$21.00** One-horse size . . . **\$20.25**
8 ft. with 82 discs, 10 inches in diam . . . **26.00**

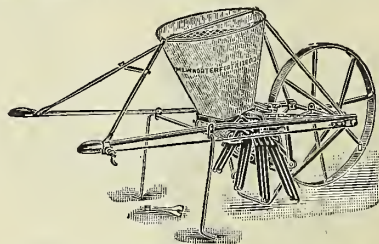
ALL STEEL FLEXIBLE DISC HARROW

The only disc harrow having independent adjustable spring pressure upon the inner end of each gang of discs, allowing any pressure to be thrown upon the inner ends of the gangs by foot of operator.

No. 3, two-horse, has twelve 16-inch discs; cuts 6 feet, with solid discs. . . . **\$25.00**
No. 3 $\frac{1}{2}$, two-horse, has twelve 16-inch discs; cuts 6 feet, with cut-out discs. . . . **27.00**
Whiffletrees and Neck Yoke, two-horse. . . . **1.25**

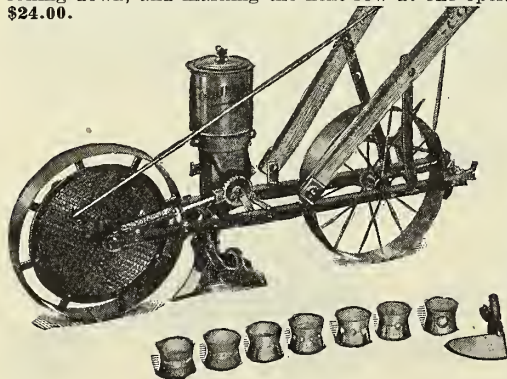
McWHORTER MAN POWER FERTILIZER DISTRIBUTOR

Any commercial fertilizer can be applied with it in any desired quantity from 3 pounds to 40 pounds per 100 yards of row. It will distribute broadcast or in furrows or between rows, or both sides of one, two, three or four rows, according to their distance apart, at one operation. The fertilizer is forced through eight distributing spouts which may be contracted to cover a 4-inch strip; or they may be spread into any position not exceeding $2\frac{1}{2}$ feet in width. For top dressing Strawberry beds, lawns, etc., as well as for rowed crops, it is a boon. Easily worked by man or boy. Weight 61 lbs. **Price, \$11.00.**



KING OF THE CORNFIELD PLANTER AND FERTILIZER DISTRIBUTOR

Popular one-horse planter for Corn, Beans, Beet, Buckwheat, etc. Will plant $4\frac{1}{2}$, 9, 12, 18, 24, 36 and 72 inches apart any quantity of seed required, in hills or drills of uniform depth, opening the furrow, planting, evening, rolling down, and marking the next row at one operation. Simple construction, no complicated parts. **Price, \$24.00.**



THE NEW COLUMBIA PLANTER

Far surpasses last year's model. The greatest thing for sowing Peas on the market. Made with geared or cog driven seed delivery, consequently will sow with absolute regularity no matter what the speed of the operator. Bunching of seed in one place and none at all in others is impossible. There are thirteen different speeds for each cylinder, sowing thirteen different quantities without removing the cylinder from its place for each kind of seed. Every seed is carried to the ground and covered, not a seed can escape nor pass through the machine unless the machine is in gear and ready to do its work, nor can a seed be shaken out when the machine is out of gear. It will sow all vegetable and flower seeds with perfect uniformity and at any required depth. Full instructions with each machine. **Price, \$11.00.** Special bean spool, 80c. Extension hopper, useful when sowing large areas, 50c.

GARDEN TOOLS, IMPLEMENTS and REQUISITES

Asbestos Torch. Destroys caterpillar nests. (P.P. 1 lb.)	\$0.35
Asparagus Buncher. Adjustable knife-guide and length-regulator (P.P. 5 lbs.)	2.00
Asparagus Knife. Straight edge or V-notched (P.P. 1 lb.)	.35
Axe Mattock. Long or short cutter, 75c.; handled.	1.00
Brush Axe. For shrubbery, handled.	1.00
Celery Tape. 1000-yd. spool, fast blue or red (P.P. 4 lbs.)	2.00
Corn Hook. (P.P. 1 lb.) Plain edge, 25c.; serrated edge.	.35
Corn Knife, Eureka. Forged steel (P.P. 3 lbs.)	.40
Corn Planter, Hand Automatic.	1.50
Corn Sheller, Red Chief. Clamps on barrel (P.P. 6 lbs.)	2.00
Dibble. (P.P. 1 lb. each). All iron.	.30
Wood handle, iron point. Small, 30c.; large.	.30
Forks. Hay. Long handle, 2 or 3 tine.	.75
Manure. Long handle, heavy, 4 tine, \$1.10; 5 tine.	1.50
Manure. 27 or 30-in. D-handle, 4 tine, heavy, \$1.10.	1.60
Manure. 27 or 30-in. D-handle, 5 tine, heavy.	1.60
Spading. Short D-handle, heavy, 4 tine \$1.00, 5 tine.	1.25
Fruit Picker. Galvanized wire, without handle (P.P. 2 lbs)	.35
Garden Line. Braided Italian hemp, 100 ft. (P.P. 1 lb.)	.50
Garden Line Reel, Columbia. With line (P.P. 3 lbs.)	1.00
Wrought iron, large size (P.P. 3 lbs.)	1.00
Garden Tool, Alca 5 in 1. (P.P. 1 lb.)	.25
Garden Tool Set. Lady's or child's	1.00
Glazing Points, Peerless No. 2. 1000 in box (P.P. 1 lb.)	.60
Glazing Putty, Mastic. For 300 lin. ft., 1 gal.	1.60
Glazing Putty Machine. For applying Mastic	1.25
Grafting Wax. $\frac{3}{4}$ lb. 10c., $\frac{1}{2}$ lb. 15c. lb. (P.P. 2 lbs.)	.25
Grape Bags, Wired. For covering bunches. 100 60c., 1000 5.00	
Grass Catcher. For lawn mower.	1.00
Grass Clipper, Victor. For edging and trimming.	2.50
Grass Hook, American. Removable blade (P.P. 1 lb.)	.25
English. Riveted back (P.P. 2 lbs.)	.40
Hoes, Draw or Field. Solid shank; 3, 4 or 5 in.	.40
Following sizes: 6, 7 or 8 in.	.50
Draw or Field. Steel. Solid socket shank 6 in.	.60
Following sizes: $6\frac{1}{2}$, 7 or 8 in.	.65
Celery. Triangle shape, short handle (P. P. 1 lb.)	.30
English Push. 3 in. 40c. (P. P. 1 lb.), 4 in. 45c., 5 in. 50c., 6 in. 55c., 7 in. 60c., 8 in. 65c., 9 in. 70c., 10 in. 80c., 12 in. \$1.00 (P. P. 2 lbs. ea.). Handles 20c. extra.	
Grub. Medium size. Best grade, 75c.; handled.	1.00
Half-Moon Harpers. 3 in. or 4 in.	.60
Horse Radish. 5 in. draw, 18 in. handle (P. P. 2 lbs.)	.50
Onion.	.50
Prong Hoes. (Potato or Manure Hooks.) 4 flat tine.	.75
Warren. Heart-shaped. (P.P. 1 lb.) 30c., 65c., 75c.	.85
Hose, Rubber Garden. Noll's Special. $\frac{3}{4}$ in. Finest quality, durable and non-kinkable. In any length up to 500 ft. (Couplings extra.) Per ft.	.18
Noll's Standard XXX. $\frac{3}{4}$ in. Excellent quality. Per 50 ft. length, coupled complete.	6.00
Hose Requisites. Clamps, ea. 5c., doz. 50c. Couplings, brass, $\frac{3}{4}$ in., per pr. 15c. Cooper's Menders, $\frac{3}{4}$ in., ea. 7c., doz. 75c.; 1 in., ea. 10c., doz. \$1.00. Reels all iron, for 100 ft. $\frac{3}{4}$ in. hose, ea. \$2.50. Rubber Washers, $\frac{3}{4}$ and 1-in., doz. 10c.	
Hose Nozzles. Florists' Brass Spray. $\frac{3}{4}$ in., 3 in. face.	1.00
Gem. $\frac{3}{4}$ in. brass, graduating spray or stream (P.P. 1 lb.)	.40
Hot Bed Mats. 76 x 76 burlap. Doz. \$18.00; each.	1.60
76 x 76 drill and burlap. Doz. \$19.50; each.	1.75
76 x 76 drill both sides. Doz. \$22.00; each.	1.90
Knives, English Budding No. 3 or No. 5. Postpaid.	1.50
American Pruning. Single blade. (Postpaid 55c.)	.50
English Pruning. Single blade. Postpaid.	1.00
Lawn or Turf Edgers, Half-Moon. Handled.	.50
English. Finest solid steel, 8 in. (P. P. 2 lbs.)	1.50
Lawn Rollers. Water or sand ballast. Seams are electric welded, not riveted.	
No. Diam. Lgth. Sec. empty weight sand prepaid	
WB3 14 in. 20 in. 1 60 lbs. 200 lbs. 300 lbs. \$8.00	
WB5 18 in. 24 in. 1 75 lbs. 300 lbs. 500 lbs. 10.00	
WB7 24 in. 24 in. 1 125 lbs. 500 lbs. 800 lbs. 12.00	
If handle weight is desired add \$1.50 to prices.	
Lawn Sprinklers. Hotchkiss No. 65. (P.P. 4 lbs.)	1.75
Cyclone, 3-arm. (P. P. 3 lbs.)	1.25
Fountain. Brass ring. (P. P. 1 lb.)	.50c. and
Shower No. 3. On stand. (P. P. 2 lbs.)	2.00
Water Witch. On stand. (P. P. 2 lbs.)	.80
On spike (P. P. 1 lb.)	.35
Labels, Wooden, Pot and Garden.	
4 in. (mail weight per 1000, 4 lbs.)	100 15c., 1000 .075
$4\frac{1}{2}$ in. (mail weight per 1000, 4 lbs.)	100 15c., 1000 .85
5 in. (mail weight per 1000, 4 lbs.)	100 15c., 1000 1.00
6 in. (mail weight per 1000, 5 lbs.)	100 25c., 1000 1.25
8 in. (mail weight per 100, 2 lbs.)	100 45c., 1000 3.50
10 in. (mail weight per 100, 3 lbs.)	100 60c., 1000 4.75
12 in. (mail weight per 100, 3 lbs.)	100 75c., 1000 6.00
Tree. $3\frac{1}{2}$ in., copper wired. 100 20c.; 1000 (P.P. 4 lbs.)	1.20
Mole Traps. Olmstead. Improved.	1.50
Reddicks. Easily set, sure catch.	1.00

Nozzles. Auto-Pop for Auto-Spray No. 1 (P.P. 1 lb.)	\$1.25
Bordeaux. Brass. (postage 5c.)	.75
Non-Clog Atomic. Brass. (postage 5c.)	1.00
Plant Sprinklers. Rubber bulb, curved or straight neck. (P. P. 1 lb.). 65c. and 75c.; Scollay's	1.00
Plant Stakes. Round, tapering. Best made.	
Per doz.: 1½ ft. 30c., 2 ft. 35c., 2½ ft. 50c., 3 ft. 60c., 3½ ft. 70c., 4 ft. 80c., 5 ft. \$1.25, 6 ft. \$1.65. Per 100: 1½ ft. \$1.75, 2 ft. \$2.00, 2½ ft. \$2.90, 3 ft. \$4.50, 3½ ft. \$5.25, 4 ft. \$6.00, 5 ft. \$9.00, 6 ft. \$12.00.	
Powder Bellows, Woodason's. Single cone.	\$1.25; and 2.00
Powder Duster or Sifter. Hammond's	.50
Acre-an-Hour. For dusting vines	.60
Little Giant Dusting Machine	6.00
Pruners. Waters' Tree. Cuts ¾ in. limbs. 6 ft. 75c., 8 ft. 80c., 10 ft. 85c., 12 ft. 90c. Extra blades	.25
Compound Lever. 10 ft. \$2.50, 12 ft. \$2.65, 14 ft. \$2.80, 16 ft.	3.00
Putty Bulb, Scollay's Rubber. (P.P. 1 lb.)	1.00
Raffia. Natural color, for tying. Lb. 15c., 100 lbs.	13.00
Rakes. Steel Garden. Best quality. 12 teeth 55c., 14 teeth 60c., 16 teeth 65c., 18 teeth	.70
Steel Gravel. 16 teeth 65c., 18 teeth	.75
Steel Bow Garden. Best rake made. 12 teeth	.60
Wire Lawn. 20 teeth 50c. Wood Lawn. 24 teeth	.45
Wood Garden. 12 teeth	.40
Wood Hay. 3 bows. 10 teeth 35c., 12 teeth 40c., 14 teeth	.45
Saws, Pruning. Single or double edge. 16 in. 70c., 18 in. 80c., 20 in.	.90
Little Giant Saw and Pruner Combined. (P.P. 4 lbs.)	1.75
Scissors, Grape Thinning. English, best steel	.90
Flower Gathering. English; holds stem after cutting	1.25
Scythes, Little Giant. 26 in. to 36 in. blade	1.00
Bush, Little Giant. 14 in. to 20 in. blade	1.00
English. Riveted back. 30 in. \$1.25, 32 in. \$1.50, 34 in.	1.60
Snaths. Patent key fastening	1.00
Stones, Talacre. Each 15c. (P. P. 3 lbs.); Emery	.10
Seeders, Hand, Rapp's. Hotbed or frame	3.75
Shears, Border. With wheel, 8 in. \$2.00, 9 in. \$2.35, 10 in. \$2.70. Without wheel, 8 in. \$1.75, 9 in. \$2.00, 10 in.	2.35
Hedge. With notch—8 in. \$1.35, 9 in. \$1.60, 10 in. \$1.85; without notch—8 in. \$1.10, 9 in. \$1.35, 10 in.	1.60
Lawn. 9 in. with 2 wheels	2.50
Lopping. American. 2 ft. handles \$1.25, 3½ ft.	1.50
Orchard King. Will cut 2½ in. limb	3.00
Pruning, California Pattern. 9 in. (P. P. 1 lb.), good quality, 50c.; best solid steel	1.25
Pruning, Ladies'. 6 in., best solid steel (P. P. 1 lb.)	1.00
Pruning, Perfection. Best on the market (P. P. 1 lb.)	
6½ in. \$1.75, 7½ in. \$2.00, 8½ in. \$2.50, 9½ in.	3.00
Sheep or Grass. (P. P. 1 lb.). 50c., 75c. and	1.25
Shovels, Round Point. Steel, short D- or long handle	.85
Square Point. Steel short D-handle 85c., \$1.15 and	1.45
Spades. Steel. Solid shank, short D-handle. 85c. and	1.10
Steel. Socket shank, short D-handle	1.25
Steel. Long handle. 85c. and	1.20
Thermometers, Hotbed. \$1.10; best grade	1.60
Household. Coppered case—8 in. 50c., 10 in. 65c.; Japanned case—8 in.	.35
Tree Scrapers. Triangle blade, 50c.; wire brush	.70
Trowels, English. 6 in. (P. P. 1 lb.), concave shank 15c., and 25c.; solid shank 40c.; best solid steel	.60
Transplanting, or "Slim Jim." (P. P. 1 lb.)	.15
TUBS. Cedar Plant, N. Y. Style.	
Top Bottom Depth Each	
No. 1 12 in. 9¾ in. 10½ in.	\$1.15
No. 2 13 in. 10¾ in. 12¾ in.	1.50
No. 3 14½ in. 12¾ in. 14¾ in.	1.85
No. 3½ 16½ in. 14½ in. 15¾ in.	2.45
No. 4 19½ in. 17½ in. 16¾ in.	2.65
No. 5 22½ in. 20½ in. 18¾ in.	3.45
Vegetable Scoop, Wire. Best quality	1.50
Water Barrel and Truck. Complete. 2½ in. wood wheels \$16.50; steel wheels	12.50
Either of above without barrel, \$2.50 less.	
Watering Pots, Ordinary. Galvanized, strong and durable. 8-qt. 70c., 12-qt. 80c., 16-qt. \$1.00, 25-qt.	1.25
Wotherspoon's. Galvanized. Brass fittings with two copper-faced roses, one fine and one coarse. 6 qt. \$2.00, 8-qt. \$2.15, 10-qt. \$2.35, 12-qt.	2.75
French Pattern. Oval shape, long spout. 6-qt. \$2.25, 8-qt. \$2.50, 10-qt. \$2.75, 12-qt.	3.00
Weeders, Eureka. 3 prong steel, short handle (P.P. 2 lbs.) 30c.; long handle	.40
Excelsior. 5 prong, iron, short handle (P. P. 1 lb.)	.10
Hazeltine. Steel crook blade, short handle. (P.P. 1 lb.)	.25
Lifting or Cleveland	.60
Magic. 4 prong, short handle—No. 0 15c., No. 1 25c.; with hoe, No. 2, 35c.; long handle with hoe, No. 3	.60
Mahler's. Handy garden, long handle, 5 prong	.75
Norcross Cultivator. Long handle, 5 prong	.80
Wheelbarrows	\$5.50 and 6.00

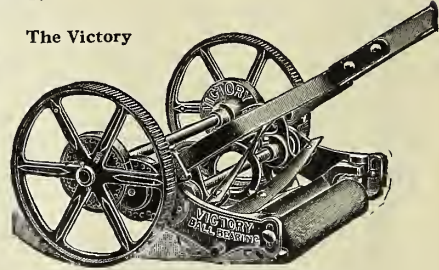
Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.

LAWN MOWERS

VICTORY (Ball-Bearing)

This mower is our **leader**, and we are proud to have it head our list. In its manufacture there is as much care given as in the manufacture of a watch, and the product is the best value we have in lawn mowers. It is so light and easy running that a child can push it over the lawn with ease. Has 10-inch wheels, 5½-inch reel carrying 4 cutting blades of oil-tempered, crucible steel. Lower blade is of same material. Is made with compound, triple gear, which permits of the maximum strength with the minimum weight. Not an ounce of metal is left out that would have been better left in, and not an ounce left in that would have been better left out. Gears are entirely enclosed; no dirt or cut grass can get into pinions and clog them up. For general purposes you cannot select a better mower than the Victory Lawn Mower.

The Victory

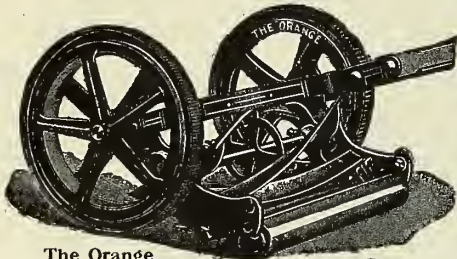


PRICES (Not Prepaid) (Boxed for Shipping)

14-in. cut.....\$8.00
16-in. cut..... 9.00

18-in. cut.....\$10.00
20-in. cut..... 11.00

22-in. cut.....\$12.00
24-in. cut..... 13.00



The Orange

THE ORANGE (Ball-Bearing)

A reliable lawn mower with 10-inch wheels, 5½-inch standard reel and 4 standard oil-tempered, crucible steel blades 1 inch wide. Also crucible steel lower bar. Two-gear internal driver and pinion type, with open wheel and open frame, with ratchet in the pinions, the pinions revolving on the shaft when the mower is rolled backwards. A great favorite for ordinary mowing.

PRICES (Not Prepaid) (Boxed for Shipping)

14-in. cut...\$8.00 20-in. cut...\$10.25
16-in. cut... 8.75 22-in. cut... 11.25
18-in. cut... 9.50 24-in. cut... 12.25

THE SPIDER (Ball-Bearing)

There are more Spider Lawn Mowers sold in this country than any other make of the same class. Truly it is a wonderful machine, and in its class has no equal. Similar to "The Orange," but with 9-inch wheels. A high-grade mower at a medium price.

PRICES (Not Prepaid) (Boxed for Shipping)

14-in. cut.....\$6.50 18-in. cut..... \$8.00
16-in. cut..... 7.25 20-in. cut..... 9.00

The Spider

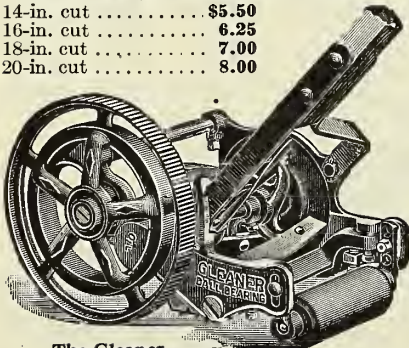


THE FLYER (Ball-Bearing)

A dandy mower, carefully made and finished, at a popular price. Made with 9-inch wheels, 5½-inch reel and 4 blades. The revolving blades and the lower blade are of oil-tempered, crucible steel. Two-gear internal driver and pinion type, the driving gear having extended spokes and rim. Open wheel and frame. The quality of the material is as good as in our best, but there is not so much of it. The parts are smaller all through (so is our profit). This mower is the strongest, lightest running, most beautifully designed and finished mower of its class in the world.

PRICES (Not Prepaid) (Boxed for Shipping)

14-in. cut.....\$5.50
16-in. cut..... 6.25
18-in. cut..... 7.00
20-in. cut..... 8.00



The Gleaner

KEYSTONE (Ball-Bearing)

A reliable mower made of high-grade materials.

PRICES (Not Prepaid) (Boxed for Shipping)

15-in., 5 blades.....\$9.50 17-in., 5 blades...\$10.50
19-in., 5 blades.....\$11.50

RED CLOUD (Ball-Bearing)

A popular priced mower of excellent material and workmanship.

PRICES (Not Prepaid) (Boxed for Shipping)

14-in., 4 blades.....\$5.75 16-in., 4 blades.....\$6.25
18-in., 4 blades.....\$6.75

GLADIATOR (Ball-Bearing)

For the benefit of those who want a lower priced mower, we offer this nicely finished, strong and durable, first-class mower.

PRICES (Not Prepaid) (Boxed for Shipping)

14-in., 4 blades,\$4.50 16-in., 4 blades,\$4.75 18-in., 4 blades,\$5.00

THE GLEANER LAWN TRIMMER (Ball-Bearing)

An excellent trimmer, strong, light and powerful. Only 1/8 inch of metal between the ends of the blades and any obstruction which is to be cut around. Has a 9-inch wheel, 5½-inch reel, and 4 blades of tempered, crucible steel. Width of cut, 8 inches.

PRICE (Not Prepaid) (Boxed for Shipping), \$5.00

TOWNSEND NEW GOLF WONDER

Acknowledged best for putting greens. Send for descriptive booklet. **Prices (not prepaid) (Boxed for Shipping):**

16-in. cut.....\$18.00

18-in. cut.....\$20.00

20-in. cut.....\$22.00

HIGH GRADE RELIABLE FERTILIZERS

NOLL'S PERFECTION LAWN DRESSING. (War Brand.) Apply during Spring and Fall months. Helps the lawn to withstand the hot weather spells. We sell a very large quantity of this yearly. Use 100 lbs. to 4000 sq. ft. Price, 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton \$42.00.

NOLL'S COMPLETE GARDEN FERTILIZER. (War Brand.) For general use, garden vegetables, fruit vines and trees, etc. Will increase your yield and better crops will result. Use 100 lbs. to 4000 sq. ft. Price, 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.25, ton \$42.00.

BONE MEAL (PURE GROUND). Slower to decompose than most fertilizers, but more lasting, giving up nitrogen to the soil. Excellent for Roses. No danger of burning the plants if used carefully. For top dressing, $\frac{1}{2}$ to 1 ton per acre. For garden crops, $\frac{3}{4}$ to 1 ton per acre broadcasted and harrowed in. For Rose beds or plants, 1 part to about 50 of soil. Price, 5-lb. pkg. 25c. (P. P. 6 lbs.), 10-lb. pkg. 40c. (P. P. 11 lbs.), 25-lb. bag 85c., 50-lb. bag \$1.50, 100-lb. bag \$2.50, 500 lbs. \$11.25, ton \$42.00.

CANADA UNLEACHED HARDWOOD ASHES. Excellent top dressing for lawns and fruits, driving away insects as well as fertilizing. Use 1000 lbs. to 1 ton to the acre. Price, 5-lb. pkg. 25c. (P. P. 6 lbs.), 10 lbs. 35c. (P. P. 11 lbs.), 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 500 lbs. \$7.50, ton \$24.00.

HUMUS. A great soil regenerator and plant food. Rich in nitrogen, moisture retaining, and odorless. Free from weed seed as it is mined far beneath the surface of the earth. The very best material for top

dressing lawns, and for indoor use in conservatories, flower boxes and pots. When renovating old lawns, leveling up, and top dressing new lawns, use 1 part Humus to 2 or 3 parts of good soil. The most popular article for top dressing, and, judging from our sales, is giving complete satisfaction. Price, 5 lbs. 15c., 10 lbs. 25c., 50 lbs. 60c., per 100-lb. bag \$1.00, per ton \$14.00.

LIME (HYDRATED AGRICULTURAL). Used to correct acid soils, also to hold sandy soil together, thus making it retain more moisture. Lime also breaks up clay soils, making them easy to till. Use 1200 lbs. to 1 ton to the acre. Price, 50 lbs. 60c., 100 lbs. \$1.00, ton \$14.00, per ton in car lots, \$11.50.

NITRATE OF SODA. Valuable for the nitrogen it contains. Is an excellent stimulant, and is used in addition to other fertilizers. Is quick in action, hastening crops to maturity. Applied after plants are above the ground by dusting or by trenching, use 100 to 500 lbs. per acre. As a liquid, 5 lbs. to 80 gals. of water. (Not available.) Price, 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 100 lbs. \$5.00, 200 lbs. \$8.50, ton, price on application.

SHEEP MANURE. The most popular article for general fertilizing purposes. This is a high-grade manure, dried and pulverized, giving lasting results. Can be applied by diluting in water or mixing with soil. Used for garden crops, 1 to 2 tons per acre, half before plowing and balance before harrowing. For top dressing grass, 1 ton per acre, applying in Fall or early Spring. Excellent for house plants, as well as outdoor plants. Price 5 lbs. 25c. (P. P. 6 lbs.), 10 lbs. 40c. (P. P. 11 lbs.), 25 lbs. 80c., 50 lbs. \$1.25, 100 lbs. \$2.00, ton \$30.00.

MULFORD CULTURES

Mulford Cultures are used to treat or inoculate seeds or soil at the time of planting all legume crops. They are supplied for only such crops as Alfalfa, all kinds of Clovers, Cow Peas, Soja or Soy Beans, Canada Field Peas, Peanuts, Vetch, Sweet Peas, Garden Peas, Garden Beans and Lima Beans. When ordering please state for what crops wanted. Garden Size, ($\frac{1}{4}$ acre), 50c., postpaid; 1-acre size, \$1.50, postpaid. By express, not prepaid, 5-acre size \$5.00.

(Write for Mulford Culture Book. Mailed free.)

MAPES' MANURES

	100 lbs.	Ton
General Crop. (War Special.) (2-8-1).....	\$1.60	\$26.00
Corn Manure. (War Brand.) (3-8-1).....	2.35	35.00
Cereal Manure. (War Special.) (3-8-1).....	2.00	29.00
General Special. (War Brand.) (7-8-1).....	3.00	47.00
Potato Manure. (War Brand.) (5-8-1).....	2.50	40.00

LISTER'S FERTILIZERS

	100 lbs.	Ton
Standard for General Use. (3-9-1).....	\$2.35	\$35.00
Lawn Fertilizer. (2 $\frac{1}{2}$ -8-1).....	2.20	33.00
Corn and Potato Fertilizer. (2 $\frac{1}{2}$ -8-1).....	2.20	33.00
Perfect Potato Manure. (4-9-1).....	2.40	38.00
Cauliflower and Cabbage. (5-8-1).....	2.50	41.00
Buyers Choice Acid Phosphate. (-14-).....	1.50	23.00

Per-cent. analyses given above are Ammonia, Available Phosphoric Acid and Potash.

Prices of any of the above subject to change, without notice.

FARMOGERM

Farmogerm. Excellent, high-bred, nitrogen-fixing bacteria. Seed inoculated with Farmogerm will produce far better results. This is worth a trial. Supplied for all Clovers, Garden Peas and Beans, Sweet Peas and all other Peas. In ordering, state what crop to be used for. Price, garden size, for $\frac{1}{2}$ acre, 50c.; 1-acre size \$2.00; 5-acre size \$6.00, 50-acre size \$55.00, 100-acre size \$100.00.

PLANT FOOD

Sterlingworth Concentrated Plant Food Tablets. Essential to plant growth; also rids soil of insects. An odorless form of manure for indoor plants. Directions on package. Price, postpaid, 30 tablets 10c.; 100 tablets 25c., 250 tablets 50c.

THE KIRKE SYSTEM

The Kirke System of fertilizing, etc., means the attachment to your garden or greenhouse hose of a cylinder containing a readily soluble high-grade fertilizer or insecticide cartridge. You water the lawn or your plants and Kirke System does the rest. The flow of water through the feeder and hose gradually dissolves the cartridge and insures an even and positive distribution of fertilizer or insecticide over lawn or plants. Clean, odorless, efficient, economical; easily attached and convenient.

Kirke Feeder. (Distributing Container.) Nickel plated: holds 1 cartridge, no complicated parts. Each \$3.00.

The following Cartridges: Each Doz.

Fertilizer	\$0.30	\$3.00
"Tobacco" Nicotine Compound.....	.30	3.00
Hothouse Special Nicotine.....	.50	5.00
Arsenate of Lead Compound.....	.40	4.50
Angle Worm Destroyer	1.00	12.00
Black Ant Destroyer.....	.30	3.00
Red Ant Destroyer.....	.40	4.50
Bordeaux. (A fungicide).....	.30	3.00

Write for illustrated descriptive folders.

INSECTICIDES AND FUNGICIDES

Ant-i-cide. A powder effective against ants, etc., that infest lawns. Harmless to lawns. Sprinkle 1 lb. to 200 sq. ft. of ground. Price: Lb. 25c. (P. P. 2 lbs.), 5 lbs. \$1.00 (P. P. 6 lbs.), 25 lbs. \$4.50 (P. P. 33 lbs.)

Aphine. A powerful insecticide in readily soluble form with water, applied as a spray, wash or dipping solution. For destroying all plant lice, aphids, red spider and all other greenhouse and outdoor insects. Use from 2 to 4 tablespoonfuls to 1 qt. of water, as per directions. (Not mailable.) Price: $\frac{1}{4}$ pt. 25c., $\frac{1}{2}$ pt. 40c., pt. 65c., qt. \$1.00, gal. \$2.50.

Aphis Punk. A paper thoroughly saturated with nicotine, for fumigating greenhouses. 2 to 3 sheets per 100 ft. of house. Fine for aphis, white and green fly, red spider. Price: Box of 12 sheets 60c. (P. P. 1 lb.), 144 sheets \$6.50 (P. P. 8 lbs.).

Arsenate of Lead (Paste Form). For spraying trees and shrubs against attacks of leaf-biting insects of all kinds. It adheres well to the foliage, does not readily wash off by rain, and does not injure tender foliage. Remains well suspended in solution, so that an even distribution is obtained. Being white in color it shows just where it has been applied. Is rapidly taking the place of Paris Green. Use from 3 to 5 lbs. to 50 gals. water, as per directions. (Not mailable.) Price: Lb. 20c., 2 lbs. 38c., 5 lbs. 90c., 10 lbs. \$1.60, 25 lbs. \$3.75, 50 lbs. \$7.00, 100 lbs. \$12.00.

Arsenate of Lead (Dry Powder). This form extensively used. Is easily suspended in water. 1 lb. equal to 2 lbs. of Arsenate of Lead in paste form. Use 1 lb. to 50 gals. water. (Not mailable.) Price: Lb. 35c., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.00.

Bordeaux Mixture (Paste Form). An indispensable fungicide for mildew, blight, rust, scab, and all fungous diseases. 1 gal. makes 50 gals. of spray. (Not mailable.) Price: Pt. 25c., qt. 40c., gal. \$1.00, 5 gals. \$4.00.

Bordeaux Mixture (Dry Form). As above, but used at rate of 1 lb. to 5 gals. of water, as it is in powder form containing no water. (Not mailable.) Price: Lb. 25c., 5 lbs. \$1.00.

Bordeaux and Paris Green Mixture. A substitute for Paris Green. A dry powder. (Not mailable.) Price: Lb. 25c.

Bordo-Lead. An excellent combination of 50 per cent. Arsenate of Lead Paste and 50 per cent. Bordeaux Mixture Paste. Has all the virtues of the best gelatinous Bordeaux (fungicide), combined with all the virtues of the highest grade of Arsenate of Lead (insecticide), thus giving a combination which will in one operation kill the insects and at the same time prevent blight, mildew and rust. It sticks like paint and remains on the foliage, insuring permanent results. (Not mailable.) Price: Lb. 25c.

Borowax. A complete protection against tree borers if applied as directed. Protects the tree at the point where the eggs are deposited, thus rendering it immune for years. Use $\frac{1}{2}$ to 1 pt. to each tree, according to size. (Not mailable.) Price: Qt. 35c., 2 qts. 60c., gal. \$1.00, 6 gals. \$5.00, $\frac{1}{2}$ bbl. (26 gals.) \$20.00, bbl. (52 gals.) \$35.00.

Bug Death. A non-poisonous insect-killing powder in high favor, rapidly displacing Paris Green for cabbage and tomato worms, cucumber and potato bugs. Acts as a fertilizer as well as an insecticide. In powder form, applied with bellows or powder gun, 12 lbs. per acre. Price: Lb. 15c. (P. P. 2 lbs.), 3 lbs. 35c. (P. P. 4 lbs.), 5 lbs. 50c. (P. P. 6 lbs.), 12 $\frac{1}{2}$ lbs. \$1.00 (P. P. 13 lbs.), 100 lbs. \$7.50. Special Shaker for Bug Death, 25c. each.

Copper Solution (Ammoniated). A concentrated, liquid fungicide used for rust, mildew, leaf blight. Dilute 1 part to 100 parts water, and spray lightly. For late spraying when the fruit is near maturity or plants are in bloom, Copper Solution is used as there is no limy sediment left to be washed off before marketing. (Not mailable.) Price: Qt. 50c., gal. \$1.75.

Cut-Worm Killer (Sterlingworth). Coarse powder. Sprinkle near plants affected. Has an enticing odor that the worms prefer to vegetation. The dead cutworms "tell" the story. 1 lb. will cover 100 ft. of plants in rows or 175 plants in hills. Price: Lb. 25c. (P. P. 2 lbs.), 5 lbs. \$1.00 (P. P. 6 lbs.), 25 lbs. \$4.00 (P. P. 33 lbs.), 100 lbs. \$12.00.

Fir Tree Oil Soap. A popular insecticide, preventing as well as freeing plants from mealy bug, scale, red spider, thrips, etc. Is a soft soap, dissolved as per directions in warm water, and used as spray or wash. Price: $\frac{1}{2}$ lb. 25c. (P. P. 1 lb.), 2 lbs. 75c. (P. P. 3 lbs.).

Fish Oil Soap (Whale Oil Soap). For mild forms of scale. An excellent Summer spray. For San Jose scale and all soft shell insects. Makes a good wash for trees and plants where bark is affected by insects; also for smearing on trunks of trees as a preventive against worms. Dissolve in water as per directions. Price: Lb. 15c. (P. P. 2 lbs.), 5 lbs. 60c. (P. P. 6 lbs.), 25 lbs. and over 10c. per lb.

Fish Oil Soap and Tobacco (Sterlingworth). Has valuable features of Fish Oil Soap as above, with additional values of Tobacco. Directions on box. Price: Lb. 15c. (P. P. 2 lbs.), 5 lbs. 60c. (P. P. 6 lbs.), 10 lbs. \$1.00 (P. P. 11 lbs.).

Hellebore. A white powder, either dusted on plants or applied as solution. 1 oz. to 3 gals. water. Ideal material for killing currant worms, rose slugs, caterpillars and other soft-shell insects. Less poisonous and safer to use than Paris Green when fruits and vegetables are nearly ripe. Price: $\frac{1}{4}$ lb. 12c. (P. P. 1 lb.), $\frac{1}{2}$ lb. 20c. (P. P. 1 lb.), 1 lb. 30c. (P. P. 2 lbs.), 5 lbs. \$1.25 (P. P. 6 lbs.), 10 lbs. \$2.25 (P. P. 11 lbs.).

Herbicide Weed Killer. A non-poisonous, concentrated liquid to be diluted with water, 1 gal. making from 20 to 40 gals. of liquid, 1 gal. of which will cover about 25 sq. ft. of ground. For use on tennis courts, walks, drives, etc. Kills all plant growth. (Not mailable.) Price: Qt. 50c., $\frac{1}{2}$ gal. 80c., gal. \$1.50, 2 gals. \$2.75, 5 gals. \$5.50, 25 gals. \$21.50, 50 gals. \$35.00.

Kerosene Emulsion. For cabbage worms, scale, caterpillar, lice of all kinds, rose bugs, etc. Dilute 1 part to 25-50 parts water. (Not mailable.) Price: Pt. 25c., qt. 40c., gal. \$1.00, 5 gals. \$4.00.

Lawn Compound (Sterlingworth). A coarse powder; sprinkled on the lawn kills dandelion, plantain, and other coarse-leaved weeds without injuring the grass. Price: 5 lbs. 50c. (P. P. 6 lbs.), 10 lbs. \$1.00 (P. P. 11 lbs.).

Lemon Oil Co. Insecticide. This preparation affects mealy bug scale, thrips and red spider. Is applied as a powder, and has an agreeable odor. Used by nearly all the leading growers. (Not mailable.) Price: $\frac{1}{2}$ pt. 25c., pt. 40c., qt. 75c., gal. \$2.00.

Lime-Sulphur Solution. Extensively used for all scale insects on trees and shrubs, also fungous diseases of the bark, as treatment can be made in the Winter. May be used during December, January and February. Dilute 1 gal. to 11 gals. of water. Earlier or later than this, dilute 1 gal. to 30 or 40 of water. Apply with a spray pump while the trees are dormant. (Not mailable.) Price: Qt. 30c., $\frac{1}{2}$ gal. 45c., gal. 80c., 5 gals. \$3.00, 50-gal. bbl. \$15.00.

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.

INSECTICIDES AND FUNGICIDES

Nico-Fume Tobacco Paper. A paper strongly saturated with pure nicotine. Comes in strips which, when suspended and lighted in the greenhouse or conservatory, affords the simplest method of fumigating for the destruction of aphids, etc. One sheet enough for 2000 cu. ft. Price: 24 sheets 85c. (P. P. 1 lb.), 144 sheets \$4.00 (P. P. 4 lbs.), 288 sheets \$7.50 (P. P. 7 lbs.).

Nico-Fume Liquid. Used same as Nicoticide. (Not available.) Price: $\frac{1}{4}$ lb. 50c., lb. \$1.50, 4 lbs. \$5.50, 8 lbs. \$10.50 (weighs about 8 lbs. to the gal.).

Nicoticide. An extract of tobacco, used in fumigation as a spray, or by placing a quantity in tin dish and evaporating by a spirit lamp placed underneath. Effectual for destroying insects in greenhouse, window-garden or frame. (Not available.) Price: $\frac{1}{4}$ pt. 70c., $\frac{1}{2}$ pt. \$1.25, pt. \$2.50, qt. \$4.50, $\frac{1}{2}$ gal. \$8.25, gal. \$15.00. Lamps for Nicoticide, 50c. each.

Nikoteen. Extract of tobacco, containing 30 per cent. nicotine. To spray, use 1 part to 500 parts water; 1 tablespoonful to $1\frac{1}{2}$ pts. of water, when vaporized, will fumigate 600 sq. ft. of floor space. (Not available.) Price: $1\frac{3}{4}$ oz. bottle 40c., $\frac{1}{2}$ lb. 85c., lb. \$1.50, 4 lbs. \$5.00, 8 lbs. \$10.00.

Paris Green. Poisonous, insoluble powder,* for preventing destruction by vegetable bugs, worms, caterpillars and slugs. Apply as powder; mix 1 part to 100 parts of flour; or in solution 1 lb. to 200-300 gals. water. (Not available.) Price: $\frac{1}{2}$ lb. 20c., lb. 35c., 5 lbs. \$1.50, 15 lbs. \$3.75, 28 lbs. \$7.00, 100 lbs. \$25.00.

Pyrox (Bowker's). A creamy paste. Mix 1 lb. to 5 gals. of cold water. Safest all-round spray for killing leaf-eating insects. Also prevents blight and all fungous troubles without injury on potatoes, garden vegetables, rose bushes, shrubbery, fruit trees, grape vines, etc. (Not available.) Price: Lb. 25c., 5 lbs. \$1.00, 10 lbs. \$1.75, 25 lbs. \$4.00, 50 lbs. \$7.50, 100 lbs. \$13.50.

Rose Bug Exterminator (Readeana). Best insecticide for roses, chrysanthemums, carnations. Harmless to the most delicate flowers or foliage when diluted 1 to 20-60 parts of water and sprayed as directed on label. Does not leave a stain. (Not available.) Price: 4-oz. bottle 25c., 8 ozs. 50c., qt. \$1.35, $\frac{1}{2}$ gal. \$2.25, gal. \$4.00.

Scalecide. Best spray for San Jose scale, etc. Non-poisonous preparation of petroleum oil. Mix at the rate of 1 gal. to 20 gals. of cold water. Apply with sprayer. Will kill every scale that it reaches without injury to tree or fruit, if applied in late Fall, Winter or early Spring, when foliage is off. (Not available.) Price: Qt. 40c., gal. \$1.00, 5 gals. \$3.25, 10 gals. \$6.00, 50 gals. \$25.00.

Avenarius Carbolineum. Vermicide, germicide and fungicide. Insures complete riddance from lice and mice in poultry houses. One application a year keeps vermine away permanently; 36 years' experience demonstrates this. Gal. \$1.25, 5-10 gals. \$1.10 per gal, $\frac{1}{2}$ bbl. 90c. per gal, bbls. 85c. per gal.

Conkey's Nox-i-cide. A soluble disinfectant, deodorant and germ destroyer. Pt. 35c., qt. 60c., gal. \$1.50.

Hygeno-a. A disinfectant for general purposes; very powerful. Pt. 35c., qt. 50c., $\frac{1}{2}$ gal. 95c., gal. \$1.75.

Rusoline. A high-grade disinfectant, deodorizer and germ expeller. Dilute in water as directed on bottle. Pt. 35c.

Scotch Soft Coal Soot. Prevents insect ravages and also acts as a stimulating fertilizer. Used in Onion drill, Radish beds, Cabbage grounds, etc., it checks the attacks of grubs, cut-worms, etc. Supplied in 50-lb. bag \$2.00, 100-lb. bag \$3.50.

Slug Shot. A non-poisonous powder to apply by dusting on the plants. Non-injurious to animals or fruit and vegetables treated. A most effective remedy for potato bugs, beetles, slugs and cabbage worms, etc. Price: Lb. 15c. (P. P. 2 lbs.), 5 lbs. 35c. (P. P. 6 lbs.), 10 lbs. 60c. (P. P. 11 lbs.), 25 lbs. \$1.25 (P. P. 26 lbs.), 125 lbs. \$7.00, per bbl. of 250 lbs. \$13.00.

Sticky Tree Cord. A soft cord about $\frac{3}{8}$ in. diameter, thoroughly saturated and coated with a black, sticky material similar to that used on fly paper; easily and quickly applied to trees by means of containing tube. Each tube contains 30 ft. of cord, enough to band 10 trees, 1 ft. in diameter. Price: Per tube, 25c. (P. P. 2 lbs.).

Sulphur, Powdered. Very effective against mildew. (Not available.) Price: Lb. 7c., 5 lbs. 30c., 25 lbs. \$1.25, 100 lbs. \$4.00.

Target Brand Scale Destroyer. Effective oil remedy for San Jose scale, etc., and mixes readily with water. Spray while trees are dormant, 1 to 20 parts water. Price: Qt. 35c., $\frac{1}{2}$ gal. 65c., gal. \$1.00, 5 gals. \$3.75.

Tobacco Dust (Fine). For fumigating, dusting, etc.; also a fertilizer and preventive against insects in the ground around roots of trees, etc. Price: Lb. 10c. (P. P. 2 lbs.), 5 lbs. 35c. (P. P. 6 lbs.), 10 lbs. 60c. (P. P. 11 lbs.), 100 lbs. bag \$3.00.

Tobacco Stems. For fumigating greenhouses and conservatories for the destruction of green and black aphids and other insects. Price: 100-lb. bale \$1.50, per ton \$25.00.

Weed Killer. See Herbicide.

Weed Killer (Sterlingworth). For killing weeds in walks, drives, tennis courts, etc., where no vegetation is wanted. Powder form, dissolve in water and sprinkle. 1 lb. makes 10 gals. of solution. Apply with watering pot. Price: Lb. 50c. (P. P. 2 lbs.), 5 lbs. \$2.00 (P. P. 6 lbs.).

Worm Eradicator, Electric. "The Gardener's Friend." For killing grubs, insects and worms which destroy at the roots of plants, flowers and trees. Dilute from 1 to 2 ozs. to 1 gal. of water and sprinkle. After one application the worms squirm to surface of ground where they die in a few seconds. When used as directed there is absolutely no danger to plant or tree. (Not available.) Price: 4-oz. bottle 25c., 10 ozs. 50c., 24 ozs. \$1.00, 48 ozs. \$2.00, gal. \$4.00, 5 gals. \$17.50, 10 gals. \$34.00.

DISINFECTANTS

(Not Mailable)

Sulphur Fumigating Candles. A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous-acid gas, which is essential to thorough fumigation. Easily lighted and a sure burner. Each 15c., by mail 20c.

Zenoleum. Not dangerous to human beings and live stock, but sure death to insects and parasites. Invaluable as a remedy for poultry and live stock diseases; for disinfecting incubators, etc. 8 ozs., 25c., qt. 50c., $\frac{1}{2}$ gal. 90c., gal. \$1.50, 5 gals. \$6.25 (not mailable). Dilute with water one part to a hundred.

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.

FOR SPRAYERS FOR THE APPLICATION OF INSECTICIDES, ETC., SEE PAGES 83-85

POULTRY FOODS

We list and sell only the highest grades of poultry foods, etc., and sell at prices as low as is consistent with quality. Our new "Economy Brand" Scratch, Mash, Chick, Pigeon and Developing Foods are typical of the high standard we have set. All prices below are subject to change without notice, being based on market conditions, and are for goods not prepaid. (We deliver free as below.)

NOLL'S "ECONOMY BRAND" SCRATCH FOOD. Compounded from good, sweet, clean grains only, a perfectly balanced egg ration, suitable for feeding the year round, thus insuring a healthy, hardy flock of birds. There is no substitute for Scratch; it is indispensable. We have more than doubled our sales on this Scratch Food and consider this our best testimonial. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.45, 500 lbs. \$12.00, 2000 lbs. \$47.00.

NOLL'S "ECONOMY BRAND" MASH FOOD. Not a grain mixture only, but containing the correct percentage of animal and vegetable protein, and a small amount of fat. The correctly balanced ration for laying fowls, giving a heavy production of fertile eggs. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.45, 500 lbs. \$12.00, 2000 lbs. \$47.00.

NOLL'S "ECONOMY BRAND" CHICK FOOD. Safe and nourishing food for young chicks just out of the shell, and will carry them right along until maturity. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.65, 500 lbs. \$13.00, 2000 lbs. \$50.00.

NOLL'S "ECONOMY BRAND" PIGEON FOOD. A balanced grain ration, very popular with pigeon fanciers, producing large squab, with fine, light-colored meat. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.65, 500 lbs. \$13.00, 2000 lbs. \$50.00.

NOLL'S "ECONOMY BRAND" DEVELOPING FOOD. A specially prepared food, consisting of sound, clean, wholesome grains, free from dirt, for the development of young, growing stock about 6 weeks old. Used as an intermediate food between "Economy Brand" Chick and Scratch Foods. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.30, 100 lbs. \$2.40.

ALFALFA MEAL. The leading green food substitute, containing from 14 to 17 per cent. protein. Feed freely in wet mash; or by itself, slightly moistened. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.45, 100 lbs. \$2.50, 500 lbs. \$12.00, 2000 lbs. \$45.00.

BEEF SCRAP. The most economical and best meat food for poultry. Can be fed the year round by itself in a hopper, or in a 10 per cent. proportion mixed with other foods. Not the cheapest, but the best. **Prices,** 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$16.00, 2000 lbs. \$63.00.

GROUND BONE MEAL (FINE). Indispensable to young chicks, turkeys, etc., preventing leg weakness. Mix with soft food, one teaspoonful for 25 small chicks. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.75.

CRUSHED RAW BONE (COARSE). A positive necessity for adult poultry, indispensable to laying fowls. It contains lime, animal matter, etc.; in fact, all of the constituents of an egg. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.40, 100 lbs. \$2.75, 500 lbs. \$13.25, 2000 lbs. \$50.00.

CHARCOAL, COARSE OR FINE. Aids digestion, purifies the blood and crop, regulates the bowels. Indispensable, and should be in the hopper at all times. **Prices,** 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.25, 500 lbs. \$10.50, 1000 lbs. \$20.00.

GRIT. Put up in 3 sizes—coarse for fowls, medium for pigeons, and fine for young chicks. Clean and free from dust. **Prices,** 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 30c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50, 2000 lbs. \$13.00.

OYSTER SHELLS, GROUND. From clean, selected stock, ground, carefully screened, and free from dust. In two sizes: coarse and fine. **Prices,** 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 30c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50, 2000 lbs. \$13.00.

BIRD SEED, ETC

All recleaned at our warehouses, and are up to the mark in every respect. Prices subject to change without notice.

BIRD GRAVEL. 1-lb. pkg. 5c.

BIRD MANNA. Pkg. 15c.

CANARY SEED (Pure). Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.30, 50 lbs. \$5.50, 100 lbs. \$10.00.

CUTTLE-FISH BONE. 2 for 5c.

FLAX SEED (Whole). Lb. 10c., 3 lbs. 25c.

FLAX SEED (Ground). Price same as Whole Flax.

HEMP SEED. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75.

MAW SEED. Lb. 20c., 2 lbs. 35c.

MILLET. Lb. 10c., 5 lbs. 35c., 10 lbs. 65c., 25 lbs. \$1.40.

MIXED BIRD SEED. Combines only recleaned seeds. Lb. 10c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.75.

RAPE. Lb. 17c., 5 lbs. 70c., 10 lbs. \$1.25, 25 lbs. \$2.75.

SONG RESTORER, BURNETT'S. Pkg. 15c.

SUNFLOWER, LARGE RUSSIAN. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.00, 50 lbs. \$5.75, 100 lbs. \$11.00.

DOG CAKES

MALTOID, MILK-BONE, Puppy Size. 12½ oz. 10c., 30 oz. 25c., 25 lbs. \$2.25, 50 lbs. \$4.25, 100 lbs. \$8.25.

MALTOID, MILK-BONE, Dog Size. 12½ oz. 10c., 30 oz. 25c., 25 lbs. \$2.10, 50 lbs. \$4.10, 100 lbs. \$8.10.

SPRATT'S PUPPY CAKES. 3 lbs. 25c., 10 lbs. 80c., 100 lbs. \$7.00.

SPRATT'S DOG CAKES. 3 lbs. 25c., 10 lbs. 75c., 100 lbs. \$6.50.

FREE DELIVERY FOR NEWARK AND SUBURBS, THE ORANGES AND VICINITY

We deliver by our own wagons any goods bought from this catalogue as follows:

MONDAY—Clinton Hill section, Irvington, Hilton, South Orange, Vailsburgh.

TUESDAY—East Orange, Orange, West Orange.

WEDNESDAY—Down Neck, Harrison, Kearny, Arlington.

THURSDAY—Woodside, Belleville, Silver Lake, Bloomfield.

FRIDAY—Clinton Hill section, Irvington, Vailsburgh, East Orange, Orange, West Orange.

SATURDAY—Down Neck, Woodside, Roseville.

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.

POULTRY REMEDIES AND SUNDRIES

CONKEY'S CURES

Bronchitis Remedy. 50c., *postpaid*.
 Chicken Pox Remedy. 50c. (P. P. 1 lb.).
 Cholera-Remedy. 25c. and 50c., *postpaid*.
 Fly Knocker. See Sundries.
 Gape Remedy. 50c., *postpaid*.
 Head Lice Ointment. 1-oz. tin 10c., 3-oz. tin 25c., *postpaid*.
 Healing Salve. 25c. and 50c., *postpaid*.
 Laxative for Poultry. 25c., *postpaid*.
 Laying Tonic. 1½ lbs. 25c. (P. P. 2 lbs.), 3¼ lbs. 50c. (P. P. 4 lbs.), 7 lbs. \$1.00 (P. P. 8 lbs.).
 Lice Liquid. 1 qt. 35c., 2 qts. 60c., 1 gal. \$1.00 (*not mailable*).
 Lice Powder. 15 ozs. 25c. (P. P. 1 lb.), 3 lbs. 50c. (P. P. 4 lbs.).
 Limber Neck Remedy. 50c. (P. P. 1 lb.).
 Nox-i-cide. A soluble disinfectant. Pt. 35c., qt. 60c., gal. \$1.50 (*not mailable*).
 Poultry Tonic. 25c. (P. P. 1 lb.).
 Roup Remedy. 25c., 50c. and \$1.00, *postpaid*.
 Scaly Leg Remedy. 25c., *postpaid*.
 White Diarrhoea Remedy. 50c., *postpaid*.
 Worm Remedy. 50c., *postpaid*.

DR. HESS' REMEDIES

Dip and Disinfectant. Qt. 50c. (*not mailable*).
 Louse Killer. 25c. (P. P. 1 lb.).
 Poultry Pan-a-ce-a. Makes poultry healthy; makes hens lay. Not a stimulant, but a tonic. Worth a trial. We sell a lot of it. Price: 1½ lbs. 25c. (P. P. 2 lbs.), 5 lbs. 60c. (P. P. 6 lbs.), 12 lbs. \$1.25 (P. P. 13 lbs.), 25 lbs. *paid* \$2.50.
 Roup Remedy. 25c. (P. P. 1 lb.).

LEE'S REMEDIES

Egg Maker. Pkg. 25c. (P. P. 3 lbs.); 50c. (P. P. 6 lbs.).
 Germozon. (Liquid.) A fine preventive against roup, cholera, bowel complaint, diarrhoea, etc. The standard remedy. 12-oz. bottle 50c. (*not mailable*).
 Germozon (tablets). 50c., *postpaid*.
 Lice Killer. (Liquid.) Qt. 35c. (*not mailable*).
 White Diarrhoea Remedy. (Liquid.) Per bottle 50c. (*not mailable*).

PRATT'S REMEDIES

Chicken-Pox Remedy. 25c., *postpaid* 30c.
 Poultry Regulator. The standard regulator. Pkgs. 10c. (P. P. 1 lb.), 25c. (P. P. 3 lbs.), 50c. (P. P. 7 lbs.), 12-lb. *paid* \$1.25; 25 lbs. \$2.25.
 Roup Cure. Pkg. 25c., *postpaid* 30c.
 Sore Head Remedy. Pkg. 25c., *postpaid* 30c.
 White Diarrhoea Remedy. 25c., *postpaid* 30c.

RUST'S REMEDIES

Egg Producer. Have your fowls stopped laying? This will start them again. Lb. 25c. (P. P. 2 lbs.), 2½ lbs. 50c. (P. P. 3 lbs.), 6 lbs. \$1.00 (P. P. 7 lbs.), 25 lbs. \$3.50.
 Rust's Havens Climax Powder. Needs but a trial and you become a steady user. A preparation by itself. Mix 1 lb. to 12 lbs. Wheat-Middlings. Improves digestion and assimilation. Price: 13-oz. pkg. 25c. (P. P. 1 lb.), 2 lbs. 50c. (P. P. 3 lbs.), 5 lbs. \$1.00 (P. P. 6 lbs.), 20 lbs. \$3.50.
 Lice Killing Powder. Pkg. 10c. (P. P. 1 lb.), lb. 25c. (P. P. 2 lbs.), 3 lbs. 50c. (P. P. 4 lbs.).
 Liquid Lice Killer. Qt. 35c., 2 qts. 60c., gal. \$1.00 (*not mailable*).
 Roup Pills. 25c. and 50c., *postpaid*.
 Roup Powder. 25c., *postpaid* 30c.
 Rust's Soluble Roup Powder. 9 ozs. 50c. (P. P. 1 lb.).

SMITH'S REMEDIES

Chicken-Pox Ointment. 25c., *postpaid* 30c.
 Germicide. 25c. and 50c. (*not mailable*).
 Head Lice Ointment. 15c., *postpaid* 20c.; 25c., *postpaid* 30c.
 Insecticide (Powder). 10c. (P. P. 1 lb.), 25c. (P. P. 2 lbs.), 50c. (P. P. 3 lbs.).
 Insecticide. (Liquid.) Qt. 35c. (*not mailable*).
 Roup Remedy. 25c., *postpaid* 30c.
 Roup Extractor. 50c. (*not mailable*).

STURTEVANT'S REMEDIES

Chicken Cholera Cure. 50c., *postpaid* 55c.
 Imperial Egg Food. 25c. (P. P. 2 lbs.); 50c. (P. P. 3 lbs.).
 Lice Paint. Qt. 35c., ½ gal. 60c. (*not mailable*).
 Poultry Tonic. 25c. (P. P. 2 lbs.); 50c. (P. P. 3 lbs.).
 Roup Powder. 25c., *postpaid* 30c.
 Thanolice. 25c. (P. P. 2 lbs.); 50c. (P. P. 3 lbs.).

STERLINGWORTH EGG TABLETS. 25c. and 50c., *postpaid*.

WHITING'S ROUPENE. Will positively cure the most dreaded form of roup, namely diphtheritic roup. Roupene will be found an infallible preventive and a sure cure for other forms of roup, canker, chicken-pox, sore head, gape and other diseases of the respiratory organs in fowls of all breeds. You do not have to isolate the sick fowls from the rest of the flock. By the use of Roupene it will save your little chicks from that dreaded disease, white diarrhoea. Directions on bottle. Price: 50c., *postpaid* 55c.; \$1.00, *postpaid* \$1.05.
Whiting's White Diarrhoea Remedy. 50c. and \$1.00.



POULTRY SUNDRIES

CAPONIZING SETS (*postpaid*)

Greiner's, \$3.00. Lansdowne No. 1, \$3.50. Lansdowne No. 2, \$3.00. Pilling Special, \$4.00.

NEST EGGS (*not mailable*).

China. 2 for 5c., 25c. per doz., \$2.50 per gross.
 Knox's Lice-Expelling. Made of naphthaline just like a real egg. 5c. each, 50c. per doz., \$3.50 per 100.
 Lime. Repulsive to lice and vermin; nest disinfectant; will not break. Durable and everlasting. 2 for 5c., doz. 25c., \$1.75 per 100.

EGG BOXES (*not prepaid*).

Ordinary Cardboard. Hold 1 doz. eggs (3 x 4), 15c. per doz., 65c. per 100, \$6.00 per 1000.
 Blue Suwanee. Heavy blue-lined cardboard, hold 1 doz. eggs. (2 x 6), 20c. per doz., \$1.00 per 100, \$9.00 per 1000.

EGG BOXES for Parcel Post (*not prepaid*).

The best made, having been thoroughly tried out in the mails.

Size	Wt. per M.	Doz.	100	1000
1 doz.	480 lbs.	\$0.55	\$4.10	\$38.40
2 doz.	780 lbs.	.80	6.10	57.60
3 doz.	1040 lbs.	1.10	8.15	76.80
4 doz.	1360 lbs.	1.35	10.20	96.00
5 doz.	1580 lbs.	1.60	11.75	110.00
6 doz.	1850 lbs.	2.00	13.60	128.00
10 doz.	2780 lbs.	2.90	20.40	192.00

EGG TESTERS, X-Ray. Each 25c. (*postpaid*).

FLY KNOCKER, Conkey's. Keeps flies off cattle, etc., in the Summer time. Applied with sprayer or sponge. Price, ½ gal. 60c., gal. \$1.00 (*not mailable*).

KNIVES, French Pattern Poultry Killing. Each 50c. (*postpaid*).

LEG BANDS.

Champion Aluminum Adjustable. Has double lock; impossible for them to come off. Price, *postpaid*: Doz. 15c., 50 for 50c., 100 for 80c.

Spirol, Celluloid. Made in nine colors of ¼-inch round celluloid, key ring style. Price, 15c. per doz., \$1.00 per 100.

Pigeon and Baby Chick Size. 10c. per doz., 75c. per 100.

NESTS, Wire Hen. Japanned. 15c. each, \$1.50 per doz.

OAT SPROUTER, Economy. No lamp needed. Costs nothing to operate. Just sprinkle with water and keep in an even temperature; 5 perforated pans 16 x 17 in., 1 drip pan at bottom. Takes floor space of 18 in. square. Height, 35 in. Shipping weight, 40 lbs. Price \$5.50., (*not prepaid*).

"O. K." LITTER. Best for poultry coops, etc. No odor. Price per bale (*not prepaid*), \$2.50; in 5-10 bale lots, \$2.25.

PERCH SUPPORTS, Lice-proof.

Wall Supports. Per pair 30c. (P. P. 3 lbs.), 3 prs. for 90c., 6 prs. for \$1.75.

Upright Supports. Per pr. 40c. (P. P. 4 lbs.), 3 prs. for \$1.10, 6 prs. for \$2.10.

PIGEON NESTS (*not prepaid*).

Fibre. 9-inch diameter, unglazed red, 15c. each, \$1.00 per doz; also glazed, waterproof, 15c. each, \$1.35 per d. z.
Earthen. Made of clay, with heavy bottom. Cannot upset. 8½ in. diam., 15c. each, \$1.25 per doz.

POULTRY MARKER or PUNCH (*postpaid*).

Lansdowne. Large, 25c. each.
 Pilling's Duplex. 25c. each.

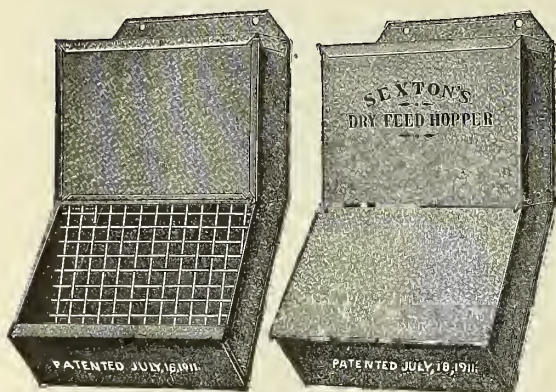
THERMOMETERS.

Brooder, Cornell. 50c.
 Incubator, Buckeye 75c.
 Incubator, Standard 50c.

Parcel Post weights are indicated above on mailable articles. If ordered by mail, allow extra for postage. See page 1.

FEEDERS, FOUNTAINS, ETC.

SEXTON'S DRY FEED HOPPER



Easy to fill, no waste, rat-proof, dust-proof. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat- and mouse-proof.

The lower cover is so arranged that it is held up by locking the top cover of hopper over same and by raising the top cover the lower cover will fall in place. This hopper is arranged to hang on the wall the desired distance from the floor, and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered, keeps feed dust-proof and clean, and is always dry. Body made of galvanized iron and the grating is of round, galvanized wire, preventing the poultry from cutting their bills.

Made in three sizes:	Each
No. 5, 24 qts. capacity.	\$1.50
No. 1, 12 qts. capacity.	1.00
No. 2, 3 qts. capacity (chick size). ....	.75

APEX CHICK FEEDERS

Are made for brooder purposes, and are so arranged that the feed is always directly under the holes through which the chicks feed. They are made single and double.

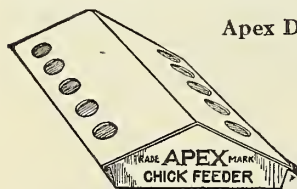
Apex Single Feeders. Are made with hinged top, which gives free access to fill or clean. Made in sizes of 3, 6, 9 and 12 holes.

	Each	Doz.
3-hole	\$0.25	\$2.75
6-hole .....	.40	4.50



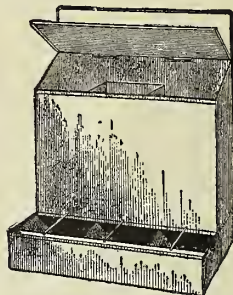
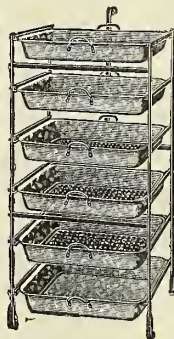
Apex Double Feeders. Are made with patent slip top. Same gives free access to fill and clean.

	Each	Doz.
10-hole, 55c. each,		
\$6.00 per doz.		



1-2-3 SHELL, GRIT and CHARCOAL FEEDER

A very convenient size for a pen of fowl. Will serve for one, two or three kinds of feed by using the separator. Price, 50c. and 75c.



ECONOMY OATS SPROUTER

The Natural Process for Sprouting. Contains five sprouting pans and one drip pan 16 x 17 inches. Iron rack is 35 inches high. By feeding sprouted oats through the Winter, egg production can be kept up to a much larger degree than otherwise. Price, \$5.50.

SEXTON'S AUTOMATIC POULTRY FEEDER

When feeder is first put up, scatter a few grains of feed in the recess at bottom of spreader. The fowl will then pick at the grain and in so doing will cause the rod to vibrate, which makes more grain drop from the hopper on to the spreader.

The set screw adjustment is so constructed that grain may be fed fast or slowly as desired.

Simple in construction, nothing to get out of order, and will last a lifetime.

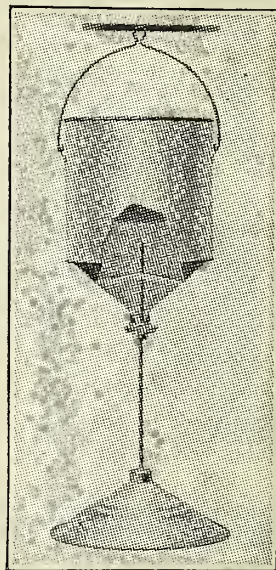
Is a great labor-saving device.

Will pay for itself in a short time as the feed is not wasted and it keeps the fowl busy and healthy.

Suspend feeder in house having the lower part of the spreader about 10 inches from the floor.

No. 0 size, 7 quarts.	\$1.25
No. 1 size, 12 quarts.	1.50
No. 2 size, 18 quarts.	1.75
No. 3 size, 30 quarts.	2.50

A perfect feeder at the right price. Made of galvanized iron.



FEEDERS, FOUNTAINS, ETC.

MOE'S HOT WATER HOVER



Safe
and
Simple.



Hot water tank, inside of galvanized iron cover, is packed with asbestos to retain the heat. Pipes of special metal; will not rust. In two sizes.

No. 55, 14½ in. diam.; 30-50 chicks. \$3.25
No. 56, 23½ in. diam.; 125-150 chicks. 5.50

MOE'S ROUND BABY CHICK FEEDER



The most convenient and commodious feeder on the market.



Can also be used for water. Manufactured in two sizes.

No. 11, small size.....\$0.15
No. 12, large size..... .25

MOE'S FEED SAVING HOPPER



Cuts down your feed bill.
Improves the quality of your birds.



Feed can't clog on account of simplicity of construction. Manufactured in one size only.

No. 6 Feed Saving Hopper, capacity ¼ bu...\$1.50

MOE'S NEVER CLOG AND WASTE PROOF HOPPER



A trial will convince you that it is a hopper of the greatest merit



The gradual enlargement to the base, together with the vibration caused by the fowls feeding from the trough, will force the feed downward. Every safeguard has been placed in the construction of the feed. Large in capacity. Small in price. Manufactured of the best grade of galvanized iron, in three sizes.

No. 35, 8½ in. wide, 12 qt. capacity.....\$0.75
No. 36, 12 in. wide, 18 qt. capacity..... 1.00
No. 37, 24 in. wide, 36 qt. capacity..... 1.50

MOE'S NEVER FAIL TRAP NEST



A solution of all trap nest troubles.



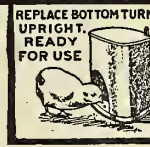
As the name implies, it never fails. Every nest set up and ready for use when shipped. Manufactured in two sizes.

No. 33, 12x12x12 in., complete.....\$0.75
No. 34, for larger fowls, 12x12x14½ in., complete..... 1.00

MOE'S SANITARY BROODER FOUNTAIN



Little Chicks can't get wet. Sits in corner of brooder. Takes up little room. Can't be upset.



If desired can be hung up by hook which is on top of each fountain. Manufactured in two sizes.

No. 0, 1 qt. capacity.....\$0.25
No. 5, 1 gal. capacity..... .50

MOE'S GRIT AND SHELL BOXES



Can also be used as a Feed Hopper for little Chicks.



Grit, shell and charcoal has now become a recognized essential part of the diet, insuring healthy fowls, and it cannot be more economically supplied than in one of these triple compartment boxes.

No. 9, Moe's Grit Box, capacity about ⅓ bu...\$0.50
No. 90, four compartments..... .75
No. 45, two compartments for baby chicks.... .25

MOE'S SANITARY POULTRY DRINKING FOUNTAIN

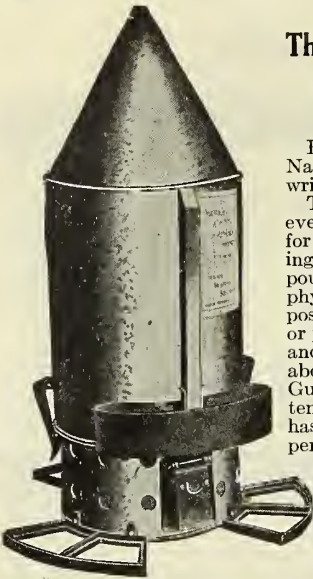


The most popular Fountain on the market.



Fills from the top. Dead air space keeps water cool in Summer and from freezing in Winter. Now made with square pan, which does away with spilling when hung up. Can be used for two pens at the same time. Manufactured in three sizes.

No. 1, 1 gal. capacity.....\$1.00
No. 2, 2 gal. capacity..... 1.50
No. 4, 4 gal. capacity..... 2.00



The Norwich Automatic Air-Lock Fountain

Bears the label of the National Board of Underwriters.

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is a physical and absolute impossibility to contaminate or pollute the water supply, and requires cleaning only about once in three months. Guaranteed frost-proof to ten degrees below zero, and has been operated at temperatures of fifteen and twenty below without being affected. Fitted with detachable cup, removable oil chamber, heat generator, etc.

PRICE

Made in one size only, 5 gal. capacity. Shipping weight 15 lbs.
Complete with burner base.....\$3.00
Without burner base..... 2.00

Norwich Automatic Exerciser and Feeder

The feeder is operated by the birds rotating the bait bar, and the grain, escaping from the hopper, rattles down on the deflector and is scattered on the floor or in the litter in a wide, even circle. The birds are kept constantly at work and in motion while feeding. Flow of grain stops instantly when bait bar stops revolving. Flow may be regulated by set valve; also height of bait bar from the ground may be adjusted by means of adjustable iron legs. Thousands upon thousands in use in every part of the civilized world. Operates with any grain or mixture; never out of order and will last a lifetime. Saves grain, saves labor, saves time. Increases egg production. Waste, rain, rat and bird-proof. Improves the flock.



	Actual Ship. Wght.	
No. 1. 8 qt. hopper	13 lbs.	\$2.50
No. 2. 14 qt. hopper	15 lbs.	3.25
No. 3. 20 qt. hopper	20 lbs.	4.10
No. 4. 32 qt. hopper	27 lbs.	5.00

The Apaco Automatic Poultry Feeder

Similar to above feeder, but without the legs. Is suspended from above. A popular feeder at a popular price. Made with 12 qt. hopper, only \$1.00.

Peerless Drinking Fountain



The Peerless Drinking Fountain is right. The water is always pure. It is protected from dirt and filth. Easy to clean and fill, and fowl cannot injure their combs when drinking. Simple in construction, durable and practical. It is adjustable. If it becomes too loose or too tight, spring the sides of the fountain in or out as it may require.

Brooder size.....	\$0.25
5 qt. size.....	.60
10 qt. size.....	.85

Norwich Automatic Dry Mash Hopper

This fills completely the long felt want among poultrymen for a reliable, dependable, waste-proof Mash Feeder.

The hopper body is 9 inches in diameter by 27 inches in length, and has a capacity of 20 qts. Contrary to all principles, the bottom of the hopper is a depending angle cone ending in a 3-inch spout or collar—just the construction to induce clogging!

The feed basin is an open, round-bottomed trough swung in position under the spout by two vibrator rods which pass through the spout and hopper body and are attached to an adjustable cross bar near the top. The feed basin thus suspended has therefore universal movement and the very act of the birds feeding at the basin causes the rods to vibrate and the vibration absolutely and completely precludes clogging.

Made in one size only, 20 qts. capacity.

Without rain guard (as in cut) shipping weight 6 lbs. \$2.00
With rain guard, shipping weight 8 lbs..... 2.75



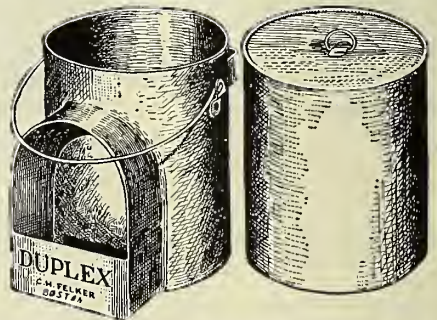
Mann's Green Bone and Vegetable Cutter

For flocks of 40 to 100 hens use No. 7. For flocks of more than 100 we recommend No. 9.

Patented New Model automatic governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts. Six special knives. Gear guard, anti-clog device. Heavy balance wheel, with adjustable handle, besides all the best features of our old style machines.

No. 5 C, with crank handle.....	\$6.00
No. 5 B, with balance wheel.....	8.00
No. 5 B M, with balance wheel and iron stand.....	10.40
No. 7, with balance wheel and iron stand.....	12.00
No. 7½, semi-power machine.....	16.00
No. 9, with balance wheel and iron stand.....	18.40
No. 11, power machine.....	26.00
No. 12, power machine.....	30.00
No. 15, power machine.....	60.00
No. 14, power machine.....	76.00
No. 18, power machine.....	100.00

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The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill—easy to care for. Made in two sizes. Try a duplex.

4-quart.....	60c.
8-quart.....	.85c.

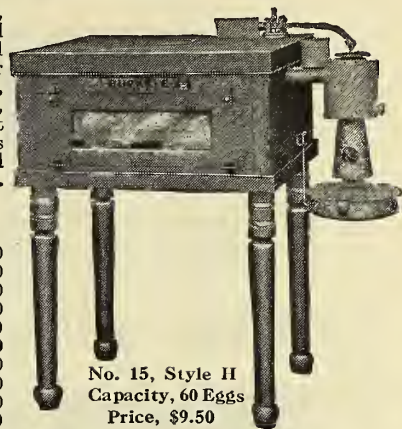
BUCKEYE HOT WATER INCUBATORS

We are the sole agents for Newark and vicinity for the Buckeye Incubators, Brooders, Hovers, etc. The Buckeye Incubator is the best hot water heated machine on the market, and has the benefit of twenty-four years of practical demonstration. The boiler, hot water tank and tubes are made of pure copper and will last for an indefinite period. The case is made of California redwood, and is beautifully finished. Every part of the machine is mechanically perfect, and in simplicity of construction and in ease of operation it far excels any hot water machine now offered to the public. That the manufacturers themselves have absolute confidence in the product is clearly shown by the very liberal guarantee of five years given by them to every purchaser of a Buckeye Incubator.

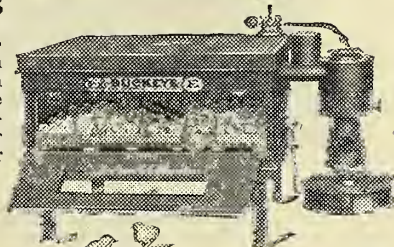
BUCKEYE INCUBATORS

No. 14, Style E,	60-egg....	\$7.50
No. 15, Style H,	60-egg....	9.50
No. 16, Style E,	110-egg....	12.50
No. 17, Style E,	200-egg....	17.50
No. 60, Standard,	60-egg....	13.50
No. 1, Standard,	110-egg....	17.50
No. 2, Standard,	175-egg....	22.50
No. 3, Standard,	250-egg....	28.50
No. 4, Standard,	350-egg....	33.50
No. 5, Standard,	600-egg....	50.00
Gas Burners for any above.		1.25

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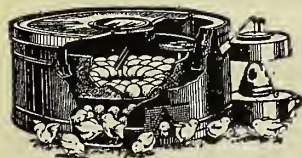


No. 15, Style H
Capacity, 60 Eggs
Price, \$9.50



No. 14, Style E
Capacity, 60 Eggs Price, \$7.50

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"HAVE-NO-COLD-CORNERS"

Six years ago an innovation—today its sales are growing by leaps and bounds. It is easily the **World's Greatest Hatcher** of its type. Its (patented) circular copper hot water radiator entirely surrounds egg chamber, bringing ample heat and uniform heat to every egg. It is so compact, so simple, so convenient. Failures are rare—80%, 90% and even up to 100% hatches are common. **Four Sizes:** The 50-egg at \$8.50, the 100-egg at \$12.00, the 150-egg at \$15.50 and 250-egg (with table) at \$24.00. All positively guaranteed.

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CYPHERS INCUBATORS

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No. 1, Standard,	144-egg.....	23.00
No. 2, Standard,	244-egg.....	34.00
No. 3, Standard,	390-egg.....	40.00
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Large Columbia,	250-egg.....	22.00



Columbia Style
Made in two sizes



Standard Style
Made in four sizes

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BUCKEYE BROODERS

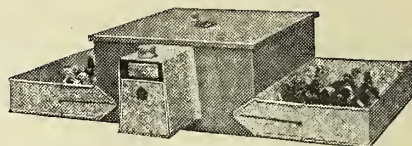
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Klose-Kontakt

Kant-Krowd

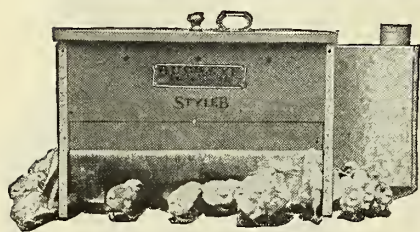


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No. 10, Outdoor Type, 150 chick..... 22.50

No. 11, Portable Indoor, 100 chick.....\$8.50
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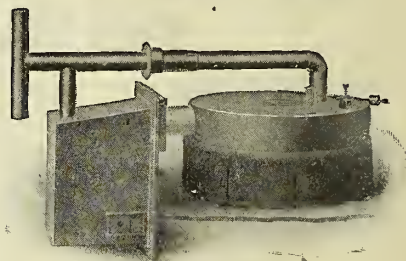
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Style B, No. 75, capacity 75 chicks.....\$7.50
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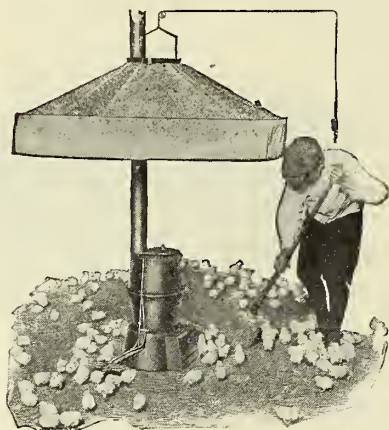
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Style B, Outdoor Brooder, 100 chick..... 18.50
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Paradise Brooder, Upper Section..... 16.00
Paradise Brooder, Lower Section..... 24.00
Adaptable Hover, 100 chick..... 9.00
Portable Hover, 100 chick..... 9.00



Adaptable Hover, \$9.00



Standard Colony Brooder

The most remarkable coal-burning brooder ever invented. It is self-feeding, self-regulating, simple, safe and everlasting. Cuts the cost of equipment and cost of operation to less than half. Reduces the time and labor to less than a fourth. Simple as a kitchen range. Broods from 100 to 1500 chicks. Write us for special circulars. Price, \$15.00.

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No. 100, 100 egg capacity..... 15.50
No. 150, 150 egg capacity..... 21.00
No. 260, 260 egg capacity..... 30.00

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to kill those rats and
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